FLORIDA
MORBIDITY STATISTICS
1982

HRS

DEPARTMENT OF HEALTH AND
REHABILITATIVE SERVICES

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INTRODUCTION

This is the 38th edition of the Florida Morbidity Statistics series begun in 1945. Data on the reported incidence of notifiable communicable diseases are presented. Some unpublished records for the years 1918 through 1944 are available upon request from the Epidemiology Program.

Sources of Data

Data in this report are based on case reports furnished to County Public Health Units (CPHUs) by private physicians, hospitals, and others. Other sources of data include death certificates and laboratory reports which are checked routinely for previously unreported cases of notifiable diseases.

Each CPHU designates an individual responsible for collecting, tabulating, and maintaining data on reportable notifiable diseases received from physicians and hospitals on a continuing basis. This data is initially recorded on a "Reportable Disease Control Log". From this, each CPHU prepares and submits to the District Administrator and State Health Office Epidemiology Program summary reports on all cases of notifiable diseases reported to it during the past seven days. On the basis of morbidity data for certain prescribed diseases received from CPHUs, the Epidemiology Program makes a weekly report to the Centers for Disease Control (CDC).

The population figures used in calculating the case rates for certain diseases are estimated by the Bureau of Economic and Business Research, College of Business Administration, University of Florida.

Epidemiologic Diagnosis

Individual case reports are verified as cases of the disease through investigations conducted by CPHU personnel. The CPHU director assigns those cases to be investigated to a nurse, sanitarian, or other appropriate personnel for follow-up. Most cases are physician-diagnosed and have appropriate laboratory verification. Individual case investigation forms are forwarded to the Epidemiology Program for review and, in some instances, forwarded to the CDC.

Residence

Occurrence of cases by county is usually reported by residence of the case. Reports originating from hospitals and other places outside the ill person's county of residence are credited to the county of usual residence. Sexually transmitted diseases are reported by county of residence unless residing in an institution (i.e., prison) in which case they are attributed to an institutional, 68th category.

Computerized Data Base

The epidemiology program collects the data submitted and consolidates it for later analysis and interpretation. The consolidated data is forwarded to the HRS Data Center for electronic data processing purposes. The CDC is then notified by telephone of reports on selected communicable diseases. A computer printout of the electronically processed data is returned to Epidemiology.

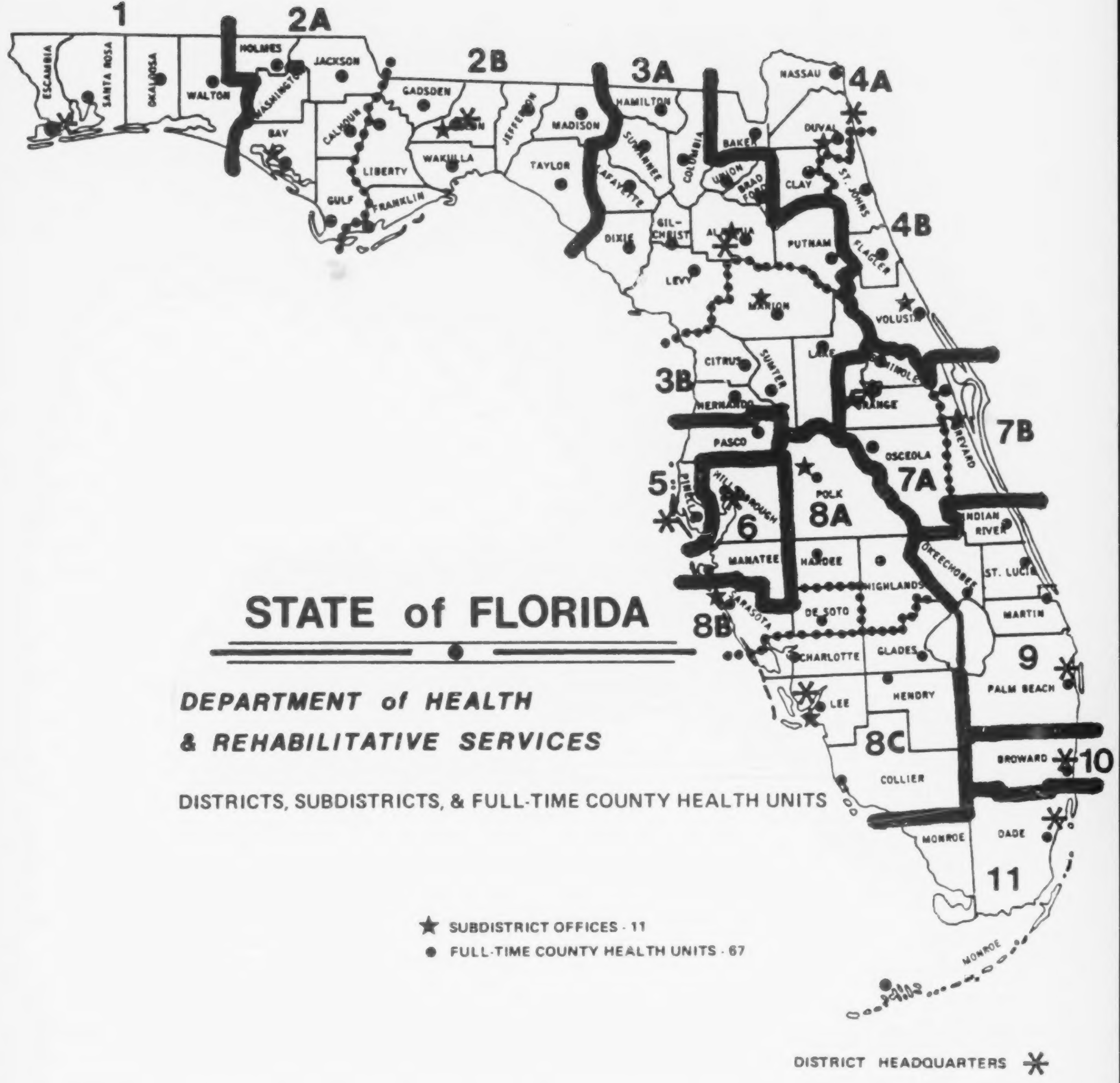
ACKNOWLEDGEMENTS

The Epidemiology Program acknowledges the important role played by Charles Hartwig, Sc.D., Director of Laboratory Services in the control of communicable diseases. His responsibilities include supervision of the Central Laboratory, the Epidemiology Research Center, and six branch laboratories. Other HRS units which contribute substantially to this overall effort are Vital Records and Public Health Statistics and the Office of Management Systems and Computer Services.

Special thanks go to Departmental employees in the Sexually Transmitted Disease, Tuberculosis, Immunization, and AIDS Programs for their efforts in the prevention, surveillance, and control of communicable diseases, especially Jack Wroten, Program Supervisor, Sexually Transmitted Disease Program, Clifford H. Cole, M.D., M.P.H., Medical Executive Director, Tuberculosis Control, Henry T. Janowski, M.P.H., Program Supervisor, Immunization Program, Joyner Sims, Ph.D., Program Administrator, AIDS Program, and Spencer Lieb, M.P.H., former Program Supervisor, Communicable Disease Program.

The HRS Office of Public Information is thanked especially for its assistance in the preparation of graphic material in this report.

Further acknowledgement is made to HRS Districts and CPHUs for their collective efforts in the statewide communicable disease morbidity surveillance and reporting system. The participation of physicians, hospitals, nurses, sanitarians, infection control nurses, epidemiology/communicable disease specialists, communicable disease report persons, and clerical staff is likewise greatly appreciated.



1
2A
2B
3A
4A
4B
3B
5
6
7A
7B
8A
8B
8C
9
10
11
ESCAMBIA
SANTA ROSA
OKALOOSA
WALTON
HOLMES
WASHINGTON
JACKSON
BAY
CALHOUN
LIBERTY
GULF
FRANKLIN
GADSDEN
LEON
WAKULLA
JEFFERSON
MADISON
TAYLOR
HAMILTON
SUWANNEE
LAFAYETTE
COLUMBIA
DIXIE
GIL-CHRIST
ALACHUA
LEVY
NASSAU
BAKER
UNION
BRADFORD
DUVAL
CLAY
ST. JOHNS
PUTNAM
FLAGLER
MARION
VOLUSIA
CITRUS
SUMTER
LAKE
SEMINOLE
HERNANDO
ORANGE
BREVARD
PASCO
OSCEOLA
PINELLAS
HILLSBOROUGH
POLK
INDIAN RIVER
MANATEE
HARDEE
HIGHLANDS
OKEECHOBEE
ST. LUCIE
SARASOTA
DE SOTO
MARTIN
CHARLOTTE
GLADES
PALM BEACH
LEE
HENDRY
BROWARD
COLLIER
MONROE
DADE
MONROE

STATE of FLORIDA

DEPARTMENT of HEALTH
& REHABILITATIVE SERVICES

DISTRICTS, SUBDISTRICTS, & FULL-TIME COUNTY HEALTH UNITS

★ SUBDISTRICT OFFICES - 11
● FULL-TIME COUNTY HEALTH UNITS - 67

DISTRICT HEADQUARTERS ✳

Note: Above map reflects district boundaries in 1982.
Effective 10/1/83, District 8A became part of District 6.

ALPHABETICAL LIST OF FLORIDA COUNTIES WITH 1982 MIDYEAR POPULATION ESTIMATES AND DISTRICT NUMBERS

COUNTY	POPULATION	DISTRICT
Alachua	158,001	3A
Baker	16,441	4A
Bay	103,225	2A
Bradford	20,237	3A
Brevard	292,167	7B
Broward	1,083,633	10
Calhoun	9,497	2A
Charlotte	65,448	8C
Citrus	64,911	3B
Clay	73,111	4A
Collier	97,489	8C
Columbia	36,337	3A
Dade	1,834,506	11
DeSoto	19,791	8B
Dixie	8,638	3A
Duval	581,985	4A
Escambia	246,387	1
Flagler	13,676	4B
Franklin	7,821	2B
Gadsden	42,683	2B
Gilchrist	6,993	3A
Glades	6,341	8C
Gulf	10,633	2A
Hamilton	8,635	3A
Hardee	20,513	8A
Hendry	20,491	8C
Hernando	54,149	3B
Highlands	52,550	8A
Hillsborough	679,097	6
Holmes	15,241	2A
Indian River	67,105	9
Jackson	40,351	2A
Jefferson	10,800	2B
Lafayette	3,986	3A
Lake	112,054	3B
Lee	226,868	8C
Leon	156,397	2B
Levy	21,432	3A
Liberty	4,337	2B
Madison	15,337	2B
Manatee	161,575	6
Marion	137,860	3B
Martin	72,013	9
Monroe	65,393	11
Nassau	34,748	4A
Okaloosa	116,564	1
Okeechobee	22,233	9
Orange	495,125	7A
Osceola	62,888	7A
Palm Beach	663,042	9
Pasco	218,292	5
Pinellas	761,763	5
Polk	342,302	8A
Putnam	52,099	3A
St. Johns	56,698	4B
St. Lucie	104,158	9
Santa Rosa	58,726	1
Sarasota	218,453	8B
Seminole	195,700	7A
Sumter	25,640	3B
Suwannee	24,551	3A
Taylor	17,347	2B
Union	10,675	3A
Volusia	279,941	4B
Wakulla	11,002	2B
Walton	22,200	1
Washington	15,216	2A
STATE TOTAL*	10,555,498	

*State population increased 3.5 percent from 1981.

SECTION 1:

Summary of Selected Notifiable Diseases

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF ONSET, FLORIDA, 1982

DISEASES	Totals	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK
Amebiasis	50	2	2	3	4	3	9	6	3	2	3	6	1	6
Chancroid	195	6	0	2	11	1	78	8	1	18	24	23	23	0
Encephalitis, Post-Infectious	24	2	1	5	2	1	3	1	3	3	1	0	1	1
Encephalitis (other, excluding arthropod-borne)	74	3	4	2	8	9	6	14	8	5	8	2	5	0
Hepatitis A	1123	81	95	88	73	92	100	114	127	98	94	68	66	27
Hepatitis B	1356	105	114	108	88	82	100	121	103	124	111	103	87	110
Hepatitis Asso. w/Blood or Blood Products	75	7	4	9	5	6	5	4	8	8	4	9	5	1
Hepatitis Not Asso. w/Blood or Blood Products	183	10	13	22	16	19	17	8	8	15	19	16	13	7
Hepatitis, Unspecified	477	34	32	32	48	43	49	55	36	37	19	32	30	30
Influenza (Confirmed)*	85	26	28	12	9	1	1	0	1	0	1	5	1	0
Legionnaires' Disease	28	2	2	1	0	3	3	3	5	2	1	2	3	1
Malaria	35	3	3	3	2	3	3	4	2	0	1	5	4	2
Measles (Rubeola)	246	2	3	5	3	1	6	0	1	11	124	78	10	2
Meningitis, Aseptic	873	29	35	43	53	48	101	162	110	94	79	60	41	18
Meningitis, Haemophilus Influenzae	337	23	35	44	30	22	28	22	18	16	25	26	43	5
Meningitis, Meningococcal	147	14	14	16	19	16	7	7	13	9	8	6	14	4
Meningitis, Other Bacterial	330	20	33	31	28	18	18	32	26	26	31	24	29	14
Mumps	48	6	12	7	6	6	4	1	2	2	0	0	0	2
Pertussis	59	3	2	0	3	8	4	11	6	3	4	6	5	4
Rubella (Excluding Congenital)	32	1	1	2	3	2	1	2	0	2	9	4	4	1
Salmonellosis	2637	128	121	120	170	153	172	205	305	338	338	230	165	192
Shigellosis	585	32	40	103	56	29	43	42	39	57	54	37	27	26

*Reporting not required

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES, FLORIDA, 1973-1982

DISEASES	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
Chickenpox	+	+	8707	6643	4757	4953	4572	3607	4327	4941
Encephalitis, Post-Infectious	24	23	21	12	6	8	19	37	36	5
Encephalitis (other, excluding arthropod-borne)	74	46	59	55	92	42	26	44	54	43
Hepatitis A**	1123	1509	2278	1883	1755	1375	2360	2967	4079	3524
Hepatitis B	1356	1512	1222	981	966	796	774	613	562	439
Hepatitis Asso. w/Blood or Blood Products	75	74	51	82	+	+	+	+	+	+
Hepatitis Not Asso. w/Blood or Blood Products	183	105	+	+	+	+	+	+	+	+
Hepatitis, Unspecified	477	530	788	741	583	400	xxxxx	xxxxx	xxxxx	xxxxx
Gonorrhea	62702	60354	65437	61427	60382	58843	58921	65031	61507	52582
Influenza (Confirmed)*	85	282	106	78	+	+	+	+	+	+
Legionnaires' Disease	28	22	12	47	+	+	+	+	+	+
Malaria	35	49	86	32	40	23	22	12	8	9
Measles (Rubeola)	246	345	432	938	1203	308	342	116	237	369
Meningitis, Aseptic	873	673	654	319	311	258	189	195	248	263
Meningitis, Haemophilus Influenzae	337	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meningitis, Meningococcal	147	256	218	203	232	131	90	91	95	55
Meningitis, Other Bacterial	667	551	487	424	+	+	+	+	+	+
Mumps	48	145	195	216	318	285	387	1231	2003	2682
Pertussis	59	78	68	51	62	75	18	25	30	40
Reye Syndrome*	9	18	21	13	7	6	5	8	14	0
Rubella (Excluding Congenital)	32	67	109	318	214	197	53	153	205	1066
Salmonellosis	2637	2194	2031	1853	1624	1192	1252	1269	1182	1068
Shigellosis	585	784	927	808	857	498	315	488	730	664
Syphilis (All Stages)	7936	5971	4384	4567	4648	4543	5528	6328	5518	4339
Tuberculosis ++	1467	1553	1647	1628	1724	1531	1497	1639	1460	1487
Typhoid Fever	21	27	16	23	19	20	19	8	16	222

**Includes Hepatitis Unspecified 1971-1976
+Not Reported This Year
xxxxxIncluded in Hepatitis A

++Since 1978, Includes New and Reactivated Cases
*Reporting Not Required
N/A Data Not Available

REPORTED CASE RATES PER 100,000 POPULATION FOR SELECTED NOTIFIABLE DISEASES, FLORIDA, 1973-1982

DISEASES	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
Chickenpox	+	+	88.7	71.5	53.1	56.8	53.5	42.5	52.5	63.0
Encephalitis, Post-Infectious	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.4	0.4	0.1
Encephalitis (other, excluding arthropod-borne)	0.7	0.5	0.6	0.6	1.0	0.5	0.3	0.5	0.7	0.5
Hepatitis A**	10.6	14.8	23.2	20.3	19.6	15.8	27.6	35.0	49.4	44.9
Hepatitis B	12.8	14.8	12.5	10.6	10.8	9.1	9.1	7.2	6.8	5.6
Hepatitis Asso. w/Blood or Blood Products	0.7	0.7	0.5	0.9	+	+	+	+	+	+
Hepatitis Not Asso. w/Blood or Blood Products	1.7	1.0	+	+	+	+	+	+	+	+
Hepatitis, Unspecified	4.5	5.2	8.0	6.5	4.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Gonorrhea	594.0	597.0	666.8	660.9	673.4	675.0	689.0	766.4	745.6	670.3
Legionnaires' Disease	0.3	0.2	0.1	0.5	+	+	+	+	+	+
Malaria	0.3	0.5	0.9	0.3	0.4	0.3	0.3	0.1	0.1	0.1
Measles (Rubeola)	2.3	3.4	4.4	10.1	13.4	3.5	4.0	1.4	2.9	4.7
Meningitis, Aseptic	8.3	6.6	6.7	3.4	3.5	3.0	2.2	2.3	3.0	3.4
Meningitis, Meningococcal	1.4	2.5	2.2	2.2	2.6	1.5	1.1	1.1	1.2	0.7
Meningitis, Other Bacterial	6.3	5.4	5.0	4.6	+	+	+	+	+	+
Mumps	0.5	1.4	2.0	2.3	3.5	3.3	4.5	14.5	24.3	34.2
Pertussis	0.6	0.8	0.7	0.5	0.7	0.9	0.2	0.3	0.4	0.5
Reye Syndrome	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.0
Rubella (Excluding Congenital)	0.3	0.7	1.1	3.4	2.4	2.3	0.6	1.8	2.5	13.6
Salmonellosis	25.0	21.5	20.7	19.9	18.1	13.7	14.6	15.0	14.3	13.6
Shigellosis	5.5	7.7	9.4	8.7	9.6	5.7	3.7	5.8	8.8	8.5
Syphilis (All Stages)	75.2	59.1	44.7	49.1	51.8	52.1	64.6	74.6	66.9	55.3
Tuberculosis ++	13.9	15.3	16.8	17.5	19.2	17.6	17.5	19.3	17.7	19.0
Typhoid Fever	0.6	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2	2.8

**Includes Hepatitis Unspecified 1971-1976

+Not reported this year

xxxxxIncluded in Hepatitis A

++Since 1978, Includes New and Reactivated Cases

REPORTED CASES OF NOTIFIABLE DISEASES OF INFREQUENT OCCURRENCE, FLORIDA, 1973 - 1982

DISEASE	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	Not Reported Prior to	Year Last Case Reported
Anthrax	0	0	0	0	0	0	0	0	1	0		
Botulism	1	1	0	0	1	0	0	1	0	0	1961	
Cat Scratch Fever	17	19	39	30	5	0	6	0	2	1	1962	
Cholera (Group 01)	0	0	0	0	0	0	0	0	0	0		1937
Congenital Rubella	0	1	2	4	1	0	1	0	1	1	1971	
Cryptococcosis	6	3	6	2	2	2	1	3	2	1	1962	
Dengue	1	13	1	0	7	3	0	0	0	1		
Diphtheria	0	1	0	0	0	0	0	0	0	7		
Granuloma Inguinale	3	1	0	0	1	3	1	3	3	5		
Histoplasmosis	3	2	1	4	1	3	1	1	1	25	1957	
Hansen's Disease (Leprosy)	8	1	4	9	2	3	5	9	7	4		
Leptospirosis	8	6	11	18	22	8	1	13	8	3	1950	
Polio	0	0	0	0	0	0	0	0	0	0		
Psittacosis	1	3	5	0	3	4	3	1	4	1	1954	
Rabies (Human)	0	0	0	0	0	0	0	0	0	0		1948
Rocky Mt. Spotted Fever	5	14	9	10	12	2	4	6	2	3	1947	
Schistosomiasis	3	2	3	1	0	0	0	0	0	0		
Smallpox	0	0	0	0	0	0	0	0	0	0		1946
Tetanus	2	5	4	8	10	14	9	5	10	10		
Toxoplasmosis	22	25	32	6	2	1	0	0	2	0	1964	
Tularemia	1	1	0	0	2	0	1	2	0	2		
Typhus Fever (Murine)	2	1	0	1	1	0	0	1	0	0	1946	

SECTION 2:

Analysis of Selected Notifiable Diseases

CENTRAL NERVOUS SYSTEM DISEASES

ENCEPHALITIS, POST-INFECTIOUS AND OTHER (EXCLUDING ARTHROPOD-BORNE)

Post-infectious encephalitis refers to encephalitis that develops after a person is infected with one of the following viruses: mumps, measles, varicella or influenza. Primary encephalitis caused by herpes simplex virus is included in the category "other encephalitis."

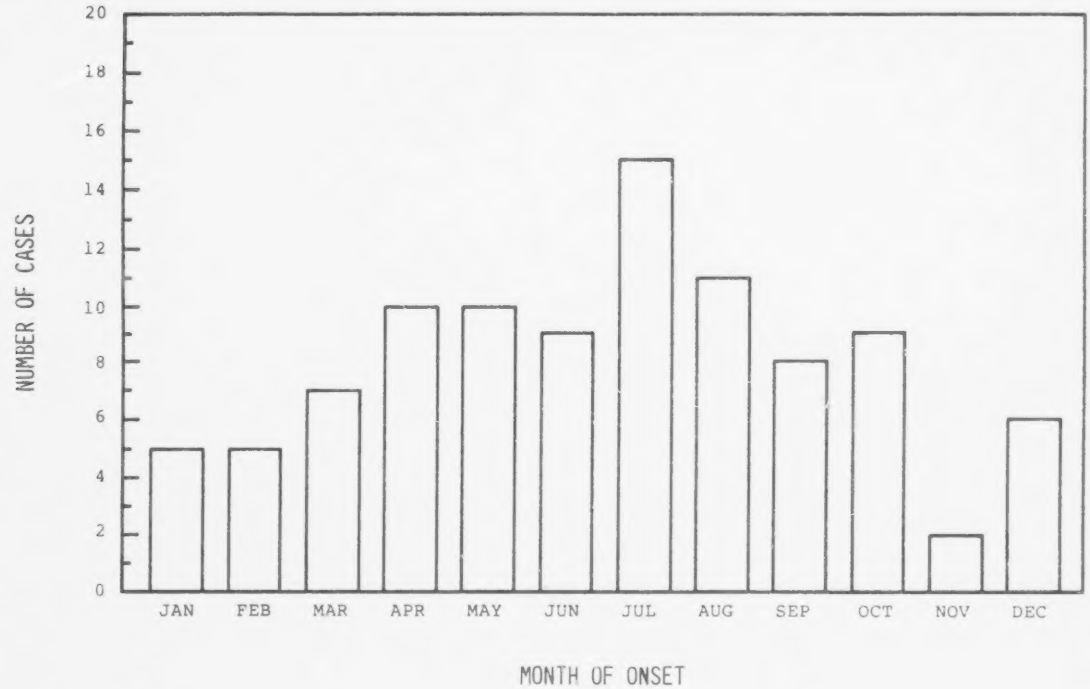
In 1982, 98 cases of encephalitis (excluding arthropod-borne) were reported to the state. The peak occurrence (15 cases) was in July with the lowest number of cases being reported during the winter months. Infants (less than one year of age) had the highest reported rate of illness (4.8 per 100,000). The rate of encephalitis cases tended to decrease with increasing age; those above 14 years of age had the lowest rates of disease.

ENCEPHALITIS, POST-INFECTIOUS AND OTHER (INCLUDING UNSPECIFIED AND EXCLUDING ARTHROPOD-BORNE)-
REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

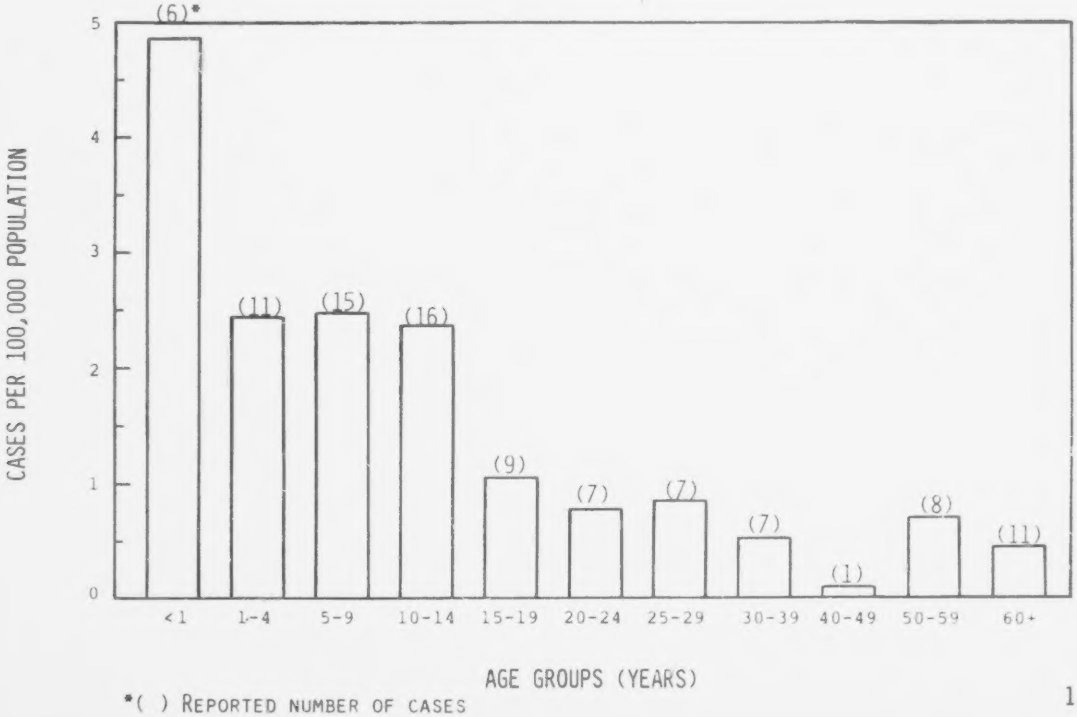
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua							1							1	0.6	1.1
Baker															0.0	2.3
Bay									1					1	1.0	0.0
Bradford															0.0	0.0
Brevard				1				1						2	0.7	1.0
Broward			2							1			1	4	0.4	0.3
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus					1									1	1.5	0.0
Clay	1													1	1.4	2.6
Collier															0.0	1.5
Columbia															0.0	0.0
Dade						1	1							2	0.1	0.1
DeSoto															0.0	1.7
Dixie															0.0	0.0
Duval		1	1	1		1	5	1		1				11	1.9	0.8
Escambia															0.0	0.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist								1						1	14.3	0.0
Glades															0.0	5.5
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry								1						1	4.9	1.8
Hernando															0.0	3.0
Highlands															0.0	1.4
Hillsborough			2	2		1	2		1					8	1.2	1.1
Holmes															0.0	0.0
Indian River				1								3		4	6.0	3.3
Jackson															0.0	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake															0.0	1.0
Lee	1							1						2	0.9	2.4
Leon															0.0	0.2
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee															0.0	0.0
Marion															0.0	0.0
Martin	1													1	1.4	0.5
Monroe															0.0	0.0
Nassau															0.0	0.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange						1	2	1	1					5	1.0	1.6
Osceola	1				1			1	1			1		5	8.0	1.3
Palm Beach		1		2		1	1	1		1		1		8	1.2	1.5
Pasco			1				1							2	0.9	0.0
Pinellas									1					1	0.1	0.5
Polk	1	2		2	8	4	1		3	6	2	1		30	8.8	3.5
Putnam															0.0	0.0
St. Johns															0.0	0.0
St. Lucie		1												1	1.0	0.7
Santa Rosa								1						1	1.7	0.0
Sarasota							1	1						2	0.9	0.5
Seminole															0.0	1.1
Sumter															0.0	0.0
Suwanee															0.0	0.0
Taylor															0.0	0.0
Union															0.0	0.0
Volusia			1	1				1						3	1.1	0.4
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	5	5	7	10	10	9	15	11	8	9	2	6	1	98	0.9	0.7

*1979-1981 Average rate

ENCEPHALITIS, POST-INFECTIOUS AND OTHER (INCLUDING UNSPECIFIED AND EXCLUDING ARTHROPOD-BORNE) - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



ENCEPHALITIS, POST-INFECTIOUS AND OTHER (INCLUDING UNSPECIFIED AND EXCLUDING ARTHROPOD-BORNE) - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

ENCEPHALITIS, ARTHROPOD-BORNE

Eastern Equine Encephalitis (EEE)

In 1982, there were 2 confirmed cases of EEE in Florida: a 75-year-old white male from Orange County who had onset of illness on 6/12 and who died on 7/13 and a 14-year-old white male from Osceola County whose onset was 7/12 and who recovered.

St. Louis Encephalitis (SLE)

Only one case of SLE occurred in Florida in 1982: a 66-year-old Collier County man who survived.

There was a total of 7,267 sentinel chicken sera tested from 34 counties. Virus activity was first identified in sentinel chickens from a bleeding on August 30 in Collier County. SLE virus activity was observed in the following counties: Pinellas, Sarasota, Charlotte, Lee, Collier, Orange, Hendry, Highlands, Palm Beach, Broward, and Dade.

MENINGITIS, ASEPTIC

In 1982, 873 cases of aseptic meningitis were reported to the state, which represents a 29.7% increase from the total number of cases reported in 1981 (673). The cases rate in 1982 (8.3 per 100,000) increased 25.8% from the rate in 1981 (6.6 per 100,000).

The occurrence of cases over time showed a distinct activity in the summer months.

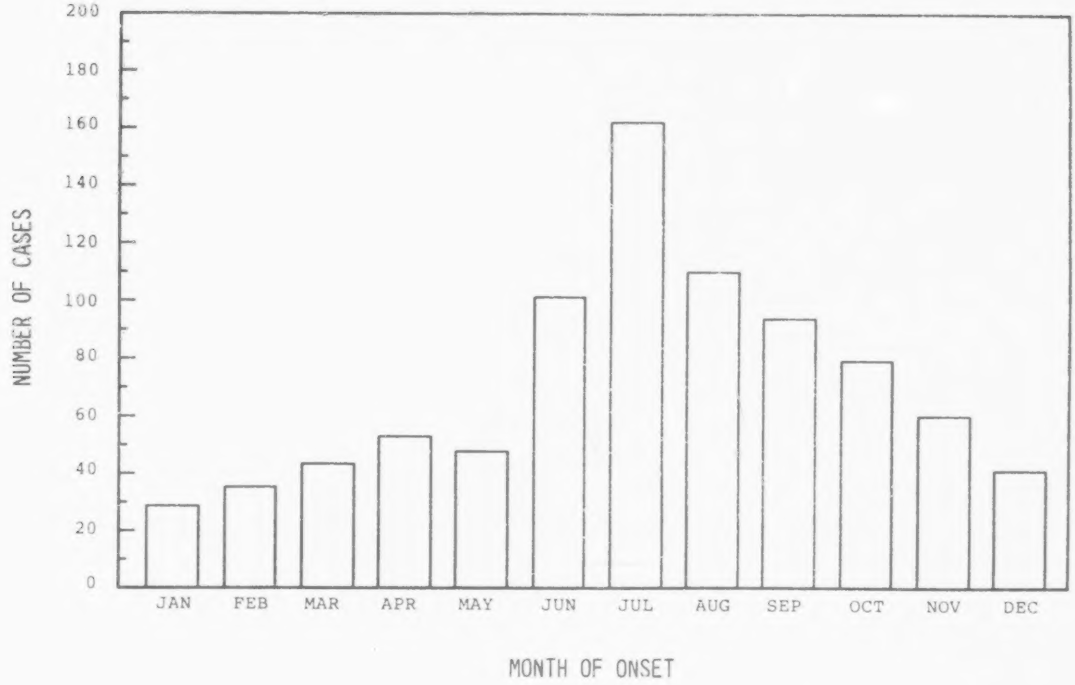
The highest age-specific incidence rate per 100,000 population was in the less than 1-year-old age group (171.0 per 100,000). The case rate then decreased rapidly with increasing age.

MENINGITIS, ASEPTIC - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

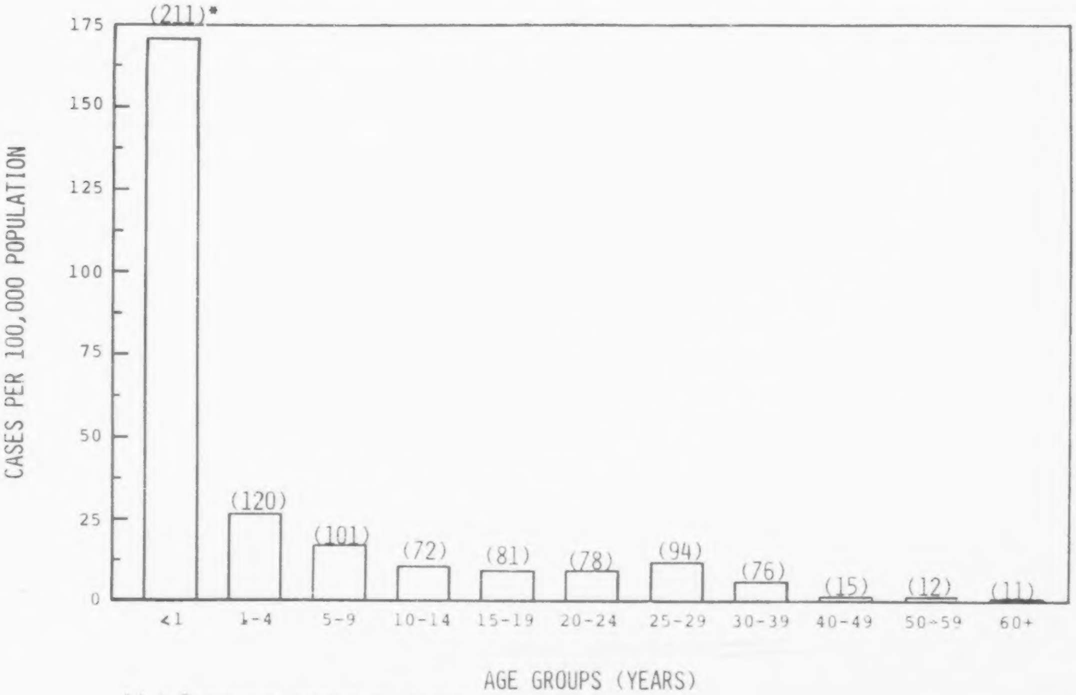
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua	1					3	6	2	6	5	3			26	16.5	6.3
Baker								1	1		1	1		4	24.3	4.5
Bay								2						2	1.9	1.3
Bradford															0.0	1.7
Brevard	2	1	3	2		3	2	4	3	1	3	3		27	9.2	6.3
Broward		5	2	5	3	8	4	8	5	4	1	1	6	52	4.8	2.8
Calhoun															0.0	0.0
Charlotte															0.0	1.7
Citrus							1			1	1			3	4.6	2.5
Clay						2	2		1					5	6.8	6.6
Collier											1			1	1.0	2.7
Columbia			1			1								2	5.5	1.0
Dade	4	2	7	8	5	10	11	4	4	5				60	3.3	5.0
DeSoto					1									1	5.1	3.5
Dixie															0.0	0.0
Duval	3	9	12	13	16	40	52	19	8	12	5	5	1	195	33.5	13.5
Escambia						1								1	0.4	3.0
Flagler		1												1	7.3	0.0
Franklin															0.0	0.0
Gadsden							1							1	2.3	0.0
Gilchrist															0.0	5.5
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee								1			1			2	9.7	6.9
Hendry															0.0	0.0
Hernando							1							1	1.8	1.5
Highlands															0.0	0.7
Hillsborough	5	3	3	6	4	5	31	21	17	10	12	2		119	17.5	9.2
Holmes															0.0	0.0
Indian River		2		1	1		3	1	1		1		1	11	16.4	9.9
Jackson															0.0	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake						2	1				1	1		5	4.5	4.2
Lee	2		2	4	1	2	1	1	3		1	3	3	23	10.1	6.6
Leon															0.0	4.8
Levy							1							1	4.7	1.7
Liberty															0.0	7.7
Madison															0.0	0.0
Manatee															0.0	1.6
Marion		1					1		2				4	8	5.8	1.9
Martin									1		2		1	4	5.6	8.4
Monroe															0.0	1.1
Nassau						2			1					3	8.6	11.1
Okaloosa					1									1	0.9	0.9
Okeechobee									1					1	4.5	4.8
Orange	2	4	4	1	3	2	9	8	14	8	1	1		57	11.5	6.8
Osceola															0.0	11.4
Palm Beach	2	4	3	3	2	4	6	3	3	5	1	8		44	6.6	10.9
Pasco							3		1	1	3			8	3.7	1.1
Pinellas	1			1	1	2	3	6	1	10	6	9		40	5.3	3.8
Polk	5	3	1	6	4	7	8	10	7	9	10	4	1	75	21.9	12.5
Putnam										1				1	1.9	2.7
St. Johns						1		5		2		1		9	15.9	3.9
St. Lucie			3		1		1							5	4.8	1.9
Santa Rosa						2		4	2		1			9	15.3	2.4
Sarasota					1			1						2	0.9	1.0
Seminole	1		2				1	6	4	2	3	2		21	10.7	7.7
Sumter															0.0	0.0
Suwanee															0.0	1.5
Taylor															0.0	0.0
Union															0.0	3.2
Volusia	1			3	4	4	13	3	6	3	2			39	13.9	3.6
Wakulla													1	1	9.1	6.3
Walton									2					2	9.0	0.0
Washington															0.0	0.0
STATE TOTAL	29	35	43	53	48	101	162	110	94	79	60	41	18	873	8.3	5.6

*1979-1981 Average rate

MENINGITIS, ASEPTIC - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



MENINGITIS, ASEPTIC - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

MENINGITIS, HAEMOPHILUS INFLUENZAE

In 1982, 337 cases of Haemophilus influenzae meningitis were reported to the state, which represents a 24.4% increase from the total number of cases reported in 1981 (271). The case rate in 1982 (3.2 per 100,000) increased 18.5% from the rate in 1981 (2.7 per 100,000).

The highest numbers of cases were reported in March and December, 44 and 43 cases, respectively.

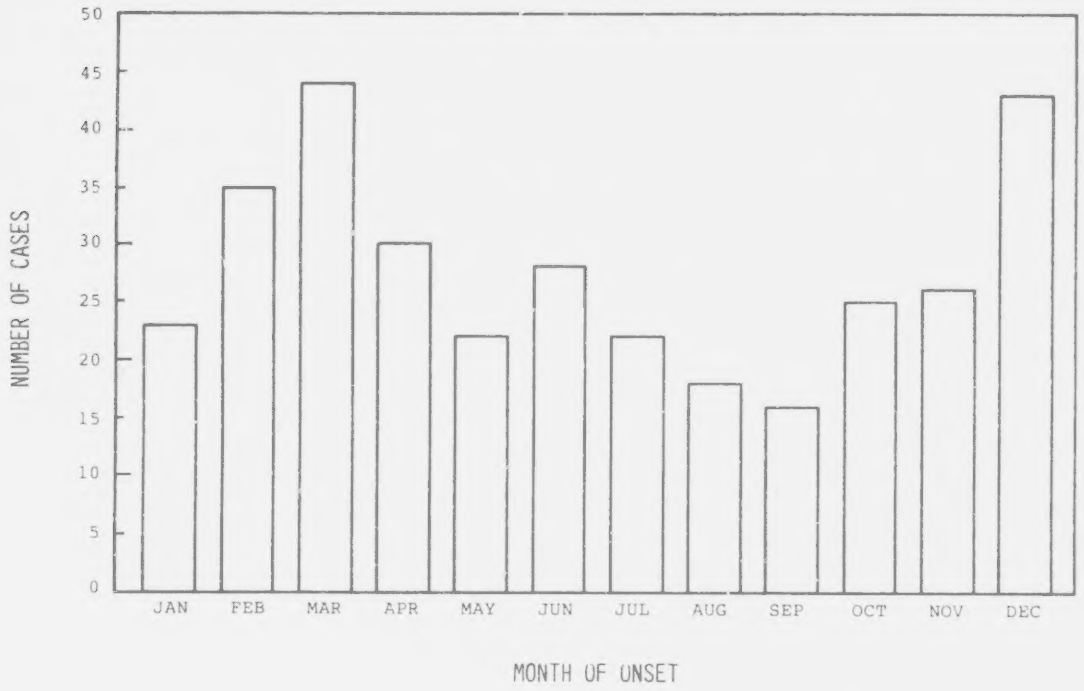
Children in the less than 1-year-old age group had the highest age-specific incidence rate (59.9 per 100,000) followed by those aged 1-4 (50.5 per 100,000). The case rate then decreased rapidly with age.

MENINGITIS, HAEMOPHILUS INFLUENZAE - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

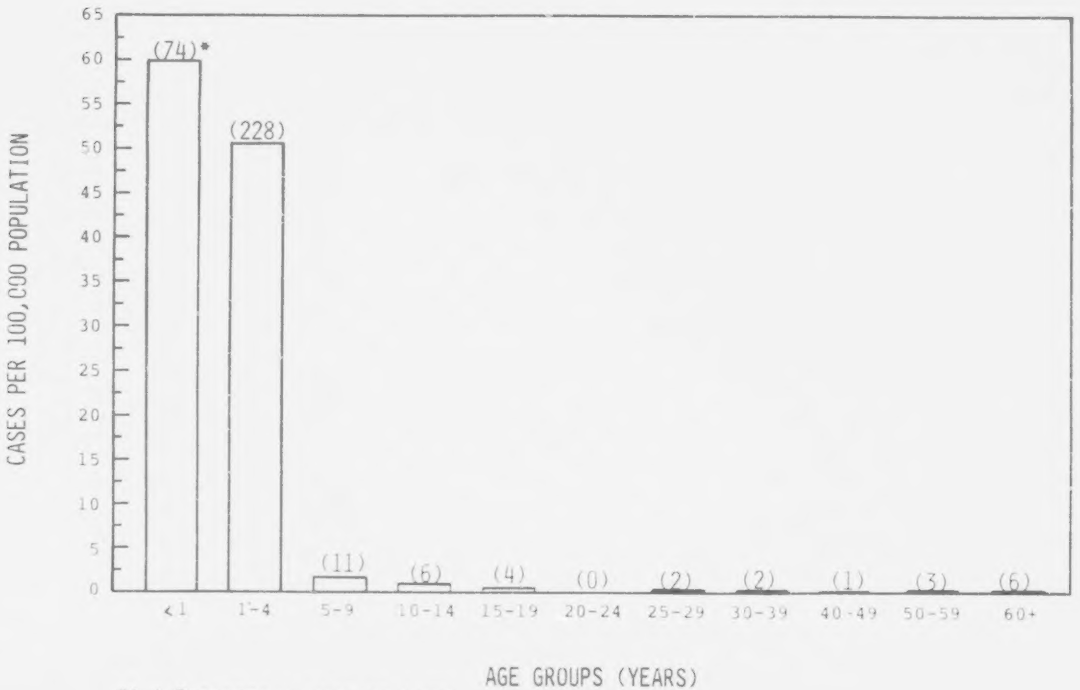
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua				1			1				1			3	1.9	--
Baker															0.0	--
Bay	1								1	1		3		6	5.8	--
Bradford															0.0	--
Brevard			3			2				1		2		8	2.7	--
Broward	2	5		1	2	2	2	3	1	4	2	4		28	2.6	--
Calhoun															0.0	--
Charlotte	1													1	1.5	--
Citrus															0.0	--
Clay															0.0	--
Collier	1				1	1		1	1					5	5.1	--
Columbia			1											1	2.8	--
Dade			6	1	3	1	4	1	1	2	1	4		24	1.3	--
DeSoto															0.0	--
Dixie															0.0	--
Duval	2	3	3	3	1	1	3	1	2	1	3	8		31	5.3	--
Escambia	1	2		1	1					1	1			7	2.8	--
Flagler															0.0	--
Franklin															0.0	--
Gadsden	1			1				3						5	11.7	--
Gilchrist															0.0	--
Glades															0.0	--
Gulf															0.0	--
Hamilton															0.0	--
Hardee															0.0	--
Hendry								1						1	4.9	--
Hernando	1													1	1.8	--
Highlands															0.0	--
Hillsborough	2	3	[illegible]	4	3	2			2		3	1		23	3.4	--
Holmes															0.0	--
Indian River															0.0	--
Jackson													1	1	2.5	--
Jefferson															0.0	--
Lafayette															0.0	--
Lake	1	1				2	1			1				6	5.4	--
Lee		2	2	1		1							3	9	4.0	--
Leon			2	1					1					4	2.6	--
Levy															0.0	--
Liberty															0.0	--
Madison															0.0	--
Manatee															0.0	--
Marion									1	2			1	4	2.9	--
Martin			1									1		2	2.8	--
Monroe															0.0	--
Nassau					1				2					3	8.6	--
Okaloosa	1		1				1					2		5	4.3	--
Okeechobee			1	1		1				1	2			6	27.0	--
Orange	5	3	4		1		2	3		3	3	2		26	5.3	--
Osceola						1	1							2	3.2	--
Palm Beach	2	7	1	4	4	3		1	1	1	3	5		32	4.8	--
Pasco			1	2		2	1	1	1	1		1		10	4.6	--
Pinellas			3	4	2	4	2	1	1	1	3	3		24	3.2	--
Polk	1	2	2		1	1	1			3	1	2		14	4.1	--
Putnam					1									1	1.9	--
St. Johns			1			1	1				1			4	7.1	--
St. Lucie	1	1	2	1										5	4.8	--
Santa Rosa		2			1		2					1		6	10.2	--
Sarasota		2	3					1	1	1				8	3.7	--
Seminole		1				1		1			1			4	2.0	--
Sumter															0.0	--
Suwanee															0.0	--
Taylor															0.0	--
Union															0.0	--
Volusia		1	4	4		2				1	1	2		15	5.4	--
Wakulla															0.0	--
Walton															0.0	--
Washington												2		2	13.1	--
STATE TOTAL	23	35	44	30	22	28	22	18	16	25	26	43	5	337	3.2	--

*Not reported as a separate type of meningitis in 1979.

MENINGITIS, HAEMOPHILUS INFLUENZAE - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



MENINGITIS, HAEMOPHILUS INFLUENZAE - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

MENINGITIS, MENINGOCOCCAL

In 1982, 147 cases of meningococcal meningitis were reported to the state, which represents a 42.6% decrease from the total number of cases reported in 1981 (256). The case rate in 1982 (1.4 per 100,000) decreased 44.0% from the rate in 1981 (2.5 per 100,000).

The highest number of cases occurred from January through May with subsequent peaks in August and December.

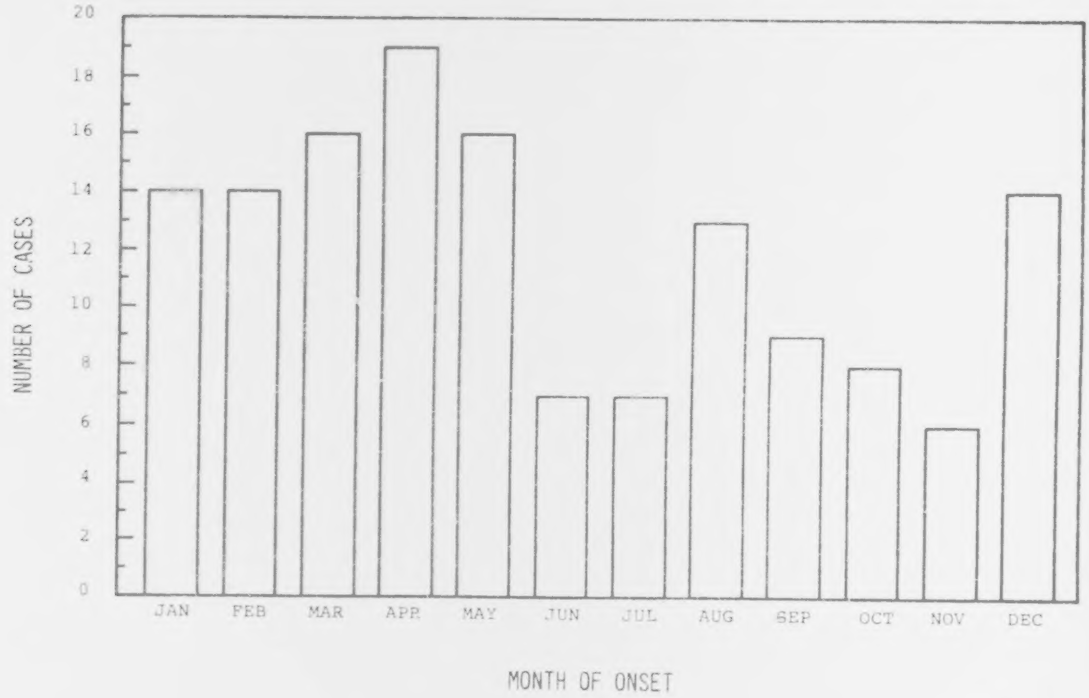
Children in the less than 1-year-old age group had the highest age-specific incidence rate (13.8 per 100,000) followed by those aged 1-4 (11.3 per 100,000). The case rate then decreased rapidly with increasing age.

MENINGITIS, MENINGOCOCCAL - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

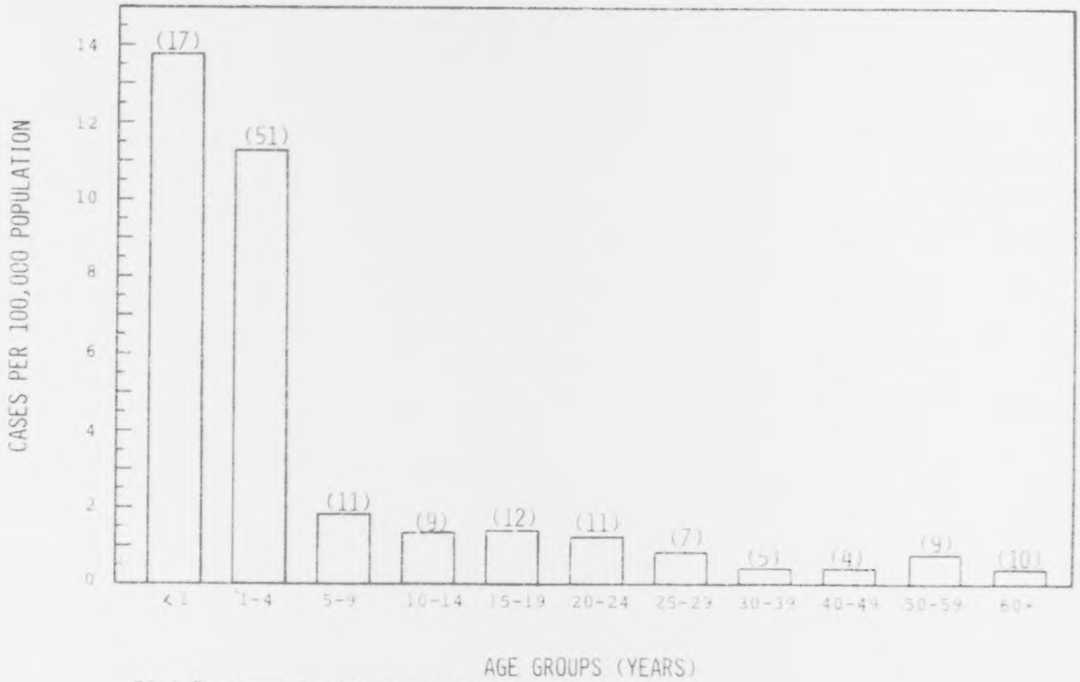
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua				1										1	0.6	2.0
Baker															0.0	2.2
Bay	1						1							2	1.9	2.4
Bradford															0.0	1.7
Brevard						1								1	0.3	1.6
Broward			1	1				1	1			1		5	0.5	1.2
Calhoun															0.0	3.6
Charlotte															0.0	0.0
Citrus													1	1	1.5	2.5
Clay															0.0	2.0
Collier					1									1	1.0	4.2
Columbia															0.0	2.9
Dade	1		7	4	3	2	1	2	3		1	1		25	1.4	3.5
DeSoto															0.0	1.7
Dixie															0.0	0.0
Duval	1				2			2		1				6	1.0	1.9
Escambia			1											1	0.4	2.0
Flagler															0.0	3.1
Franklin															0.0	0.0
Gadsden							1							1	2.3	5.8
Gilchrist															0.0	10.9
Glades															0.0	0.0
Gulf	1													1	9.4	6.2
Hamilton	1													1	11.6	3.8
Hardee															0.0	1.7
Hendry															0.0	1.8
Hernando													1	1	1.8	3.0
Highlands		1								1		1		3	5.7	2.0
Hillsborough	2	3	1		1						1	1		9	1.3	2.6
Holmes								1						1	6.6	0.0
Indian River															0.0	3.3
Jackson					1									1	2.5	1.7
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake									1					1	0.9	0.6
Lee					1			1		1				3	1.3	3.1
Leon															0.0	1.4
Levy															0.0	0.0
Liberty					1									1	3.1	0.0
Madison												1		1	6.5	0.0
Manatee		4	1	2		1						1	2	11	6.8	4.2
Marion	1		1											2	1.5	1.9
Martin						1								1	1.4	1.6
Monroe															0.0	1.1
Nassau								1						1	2.9	5.0
Okaloosa					1	1			1		1			4	3.4	0.3
Okeechobee		1	1											2	9.0	4.9
Orange	2	2		1	1	1	1	2	2	4		1		17	3.4	2.4
Osceola															0.0	3.3
Palm Beach	3			1			1					2		7	1.1	2.4
Pasco		1												1	0.5	0.9
Pinellas		1	1				1		1	1	1	2		8	1.1	1.5
Polk		1	2		2			1			1	1		8	2.3	1.9
Putnam	1			2										3	5.8	6.8
St. Johns															0.0	5.9
St. Lucie				1							1			2	1.9	1.5
Santa Rosa															0.0	0.6
Sarasota				1	2			1				1		5	2.3	2.1
Seminole				1			1	1				1		4	2.0	2.6
Sumter				1										1	3.9	11.2
Suwanee															0.0	0.0
Taylor															0.0	2.0
Union															0.0	0.0
Volusia				3										3	1.1	2.5
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	14	14	16	19	16	7	7	13	9	8	6	14	4	147	1.4	2.3

*1979-1981 Average rate

MENINGITIS, MENINGOCOCCAL - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



MENINGITIS, MENINGOCOCCAL - REPORTED CASES RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

MENINGITIS, OTHER BACTERIAL

"Other" bacterial meningitis refers to meningitis resulting from infection with *Streptococcus pneumoniae*, *Listeria monocytogenes*, Group B *Streptococcus*, or unspecified or other bacteria (excluding *Neisseria meningitidis* and *Haemophilus influenzae*). In 1982, 330 cases of "other" bacterial meningitis were reported to the state; the case rate was 3.1 per 100,000.

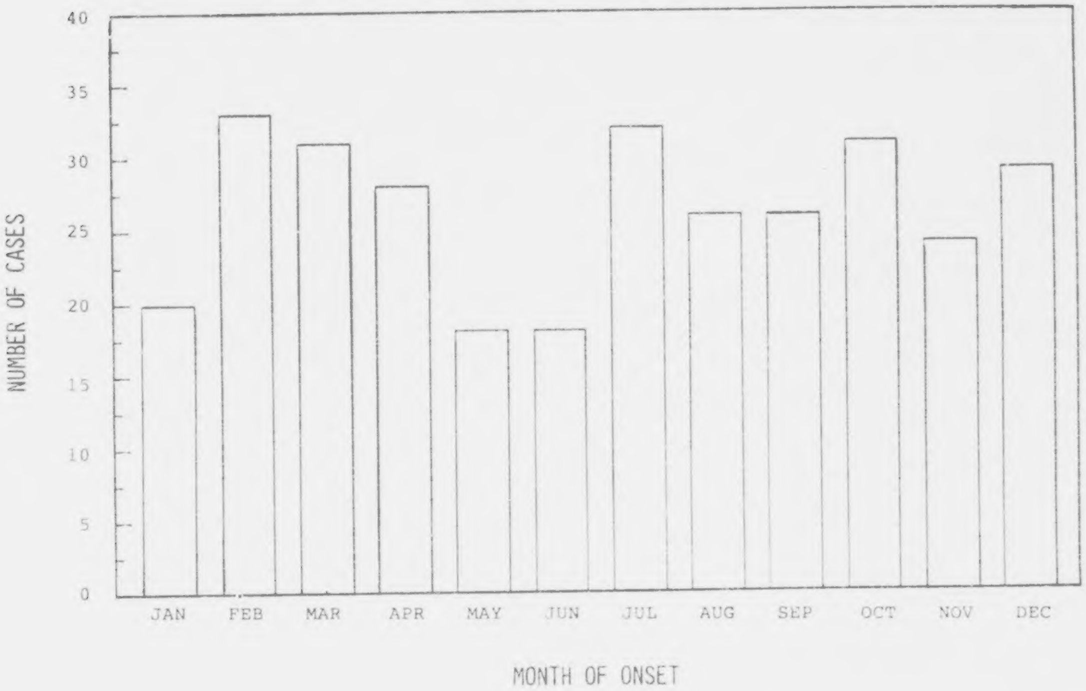
The number of cases reported remained fairly uniform throughout the year with the highest number having onset in February (33 cases) and the lowest in May and June (18 cases each).

MENINGITIS, OTHER BACTERIAL - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

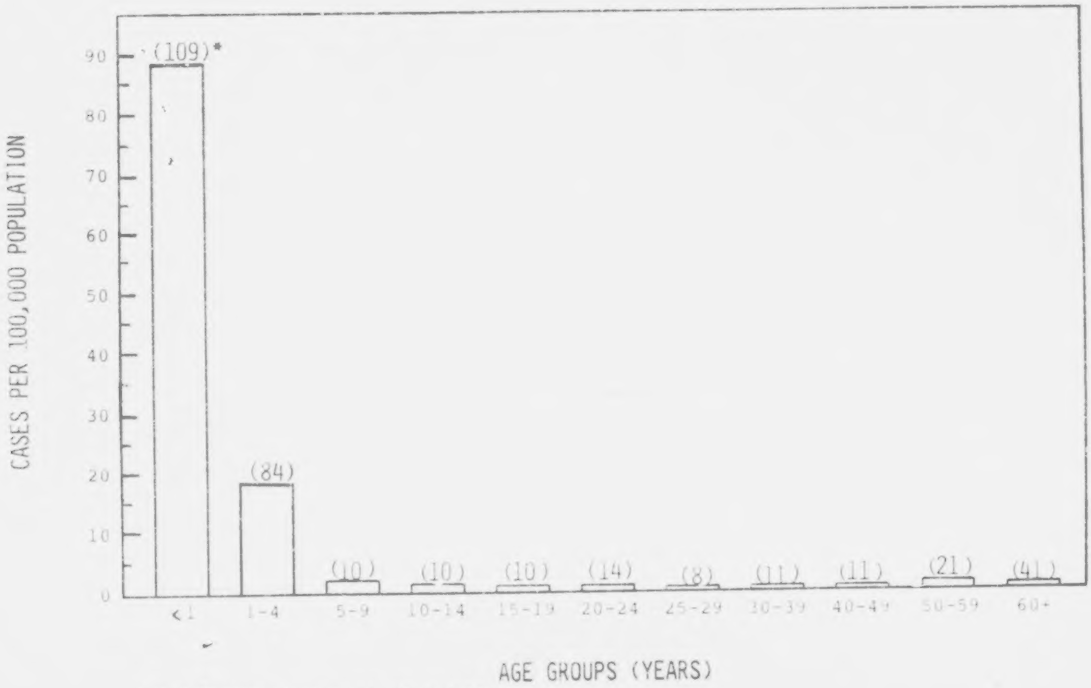
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua						1		2		1				4	2.5	--
Baker															0.0	--
Bay	1	1		1						1		1		5	4.9	--
Bradford						1								1	4.9	--
Brevard	1	1	1	1	1					1		2		8	2.8	--
Broward	3	3	3	3	4			2	3	7	3	1		32	2.9	--
Calhoun															0.0	--
Charlotte															0.0	--
Citrus			1							3	1		1	6	9.2	--
Clay					1							1		2	2.7	--
Collier			1				1				1	2		5	5.2	--
Columbia			1					1					1	3	8.2	--
Dade	1	5	2	2	1		1				1	1	2	16	0.9	--
DeSoto									1					1	5.1	--
Dixie															0.0	--
Duval		2	5	4		2	1	1	2	2	1	3		23	4.0	--
Escambia															0.0	--
Flagler															0.0	--
Franklin															0.0	--
Gadsden															0.0	--
Gilchrist															0.0	--
Glades															0.0	--
Gulf															0.0	--
Hamilton															0.0	--
Hardee															0.0	--
Hendry															0.0	--
Hernando				1								1		2	3.7	--
Highlands															0.0	--
Hillsborough	5	1	6	2	3	10	14	6	7	3	8	3	1	69	10.1	--
Holmes															0.0	--
Indian River			1						1	2	2		2	8	11.9	--
Jackson															0.0	--
Jefferson															0.0	--
Lafayette															0.0	--
Lake		1												1	0.8	--
Lee	1	3		2				1				1	2	10	4.4	--
Leon												3		3	1.9	--
Levy										1				1	4.7	--
Liberty															0.0	--
Madison															0.0	--
Manatee															0.0	--
Marion		1	1	1			2		3	2			5	15	10.9	--
Martin				1						1				2	2.8	--
Monroe												1		1	1.5	--
Nassau															0.0	--
Okaloosa															0.0	--
Okeechobee						1								1	4.5	--
Orange	1			1				1	2		2	2		9	1.8	--
Osceola	2						2	1		1	1			7	11.4	--
Palm Beach	2	4	1	3	1	1	3	4	1	1		2		23	3.5	--
Pasco	1		1		2							1		5	2.3	--
Pinellas	1	2	1	2	2		2	1	1		1			13	1.7	--
Polk		3	2	2	1		1	4	2	1	2	3		21	6.1	--
Putnam			1											1	1.9	--
St. Johns		1												1	1.7	--
St. Lucie			2									1		3	2.9	--
Santa Rosa							4							4	6.8	--
Sarasota	1	5		2	2	2	1		1	2				16	7.3	--
Seminole															0.0	--
Sumter															0.0	--
Suwanee															0.0	--
Taylor															0.0	--
Union															0.0	--
Volusia			1					2	1	2	1			7	2.5	--
Wakulla															0.0	--
Walton															0.0	--
Washington									1					1	6.6	--
STATE TOTAL	20	33	31	28	18	18	32	26	26	31	24	29	14	330	3.1	--

*Not Available

MENINGITIS, OTHER BACTERIAL - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



MENINGITIS, OTHER BACTERIAL - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

HEPATITIS

HEPATITIS A

In 1982, 1,123 cases of hepatitis A were reported to the state, which represents a 25.6% decrease from the total number of cases reported in 1981 (1,509) and the second consecutive year of decline. The case rate in 1982 (10.6 per 100,000) declined 28.4% from the rate in 1981 (14.8 per 100,000).

The number of cases reported remained fairly uniform throughout the year with the highest numbers occurring in July and August (114 and 127 cases, respectively) and the lowest in November and December (68 and 66 cases, respectively).

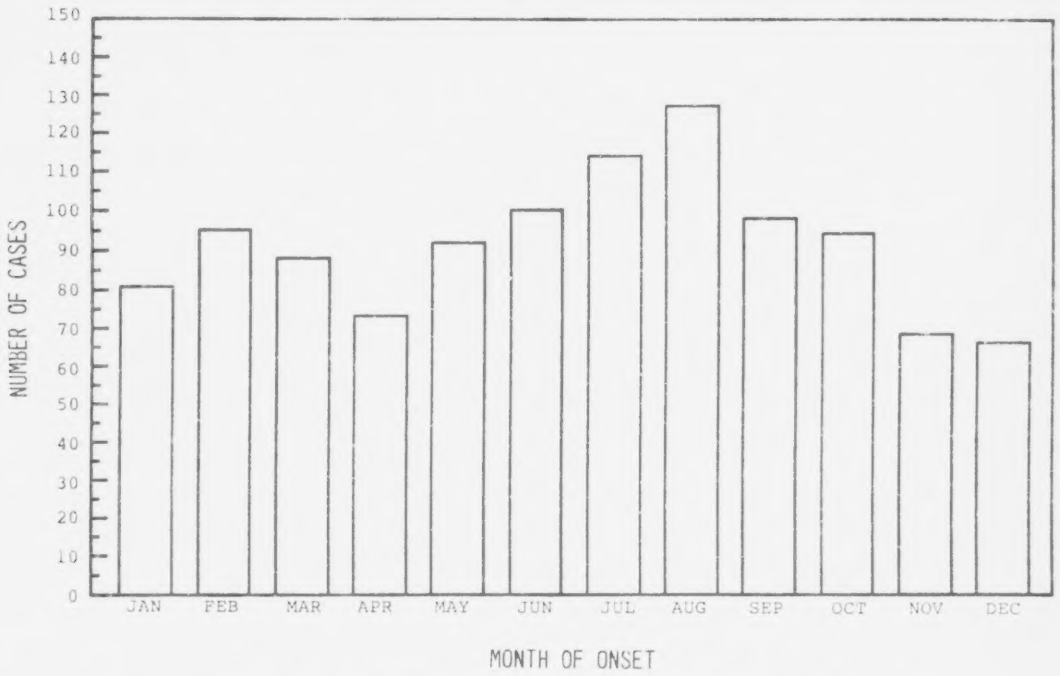
The distribution of cases among age groups was similar to previous years. Young adults aged 20-29 years had the highest reported rate of illness (23.1 per 100,000); however, this was a 33.6% decrease from 1981 (34.8 per 100,000). Low rates were reported for children less than 5 years of age who, when infected, frequently have subclinical infection or non-specific mild illness and are probably underdiagnosed.

HEPATITIS A - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

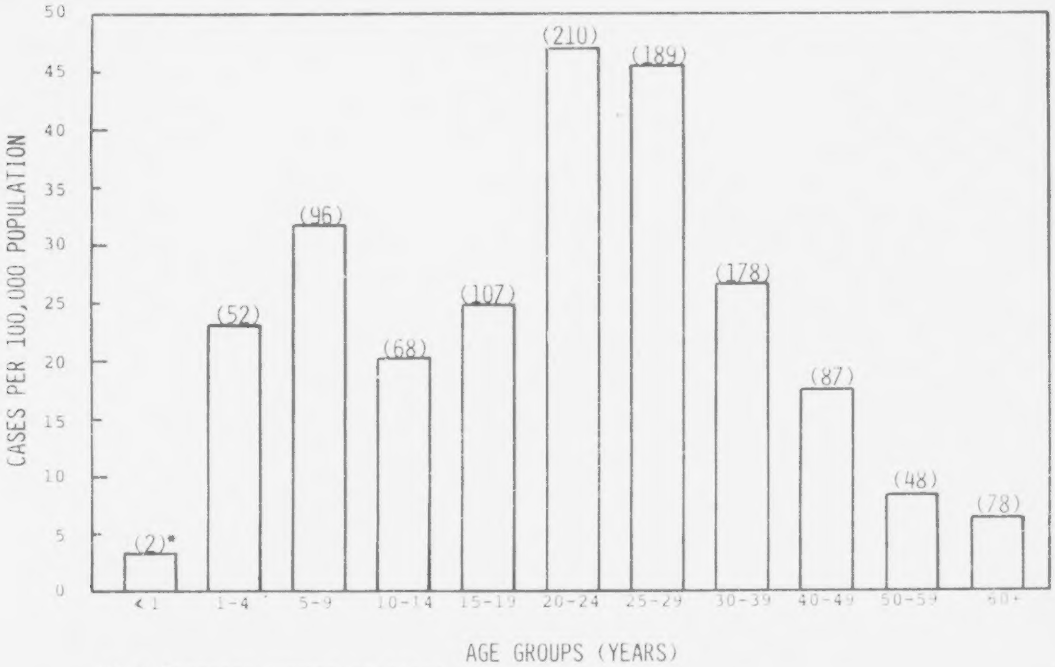
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua	1						4	4	1					10	6.3	11.9
Baker					1									1	6.1	6.7
Bay								1						1	1.0	6.1
Bradford										1	1	2		4	19.8	3.5
Brevard	4		2	3	2	3	2	2	1	1			2	22	7.5	6.3
Broward	9	7	17	13	10	7	11	16	6	7	5	6	3	117	10.8	20.0
Calhoun															0.0	3.6
Charlotte											1		1	2	3.1	6.7
Citrus			1	1	1					1	4			8	12.3	11.3
Clay															0.0	8.2
Collier	2	6	3	2	2	7		4	3	5	8	3		45	46.2	50.4
Columbia															0.0	6.8
Dade	9	8	4	3	5	7	5	3	7	7	6	3	3	70	3.8	9.7
DeSoto															0.0	38.0
Dixie															0.0	25.2
Duval	7	1	1	2	6	1	6	9	3					36	6.2	7.4
Escambia		2					1		1	1	2			7	2.8	6.6
Flagler	1													1	7.3	18.3
Franklin										1	1			2	25.6	4.2
Gadsden							2	1		3				6	14.1	2.5
Gilchrist															0.0	21.8
Glades															0.0	0.0
Gulf															0.0	12.3
Hamilton						2								2	23.2	3.8
Hardee											1			1	4.9	13.8
Hendry															0.0	8.9
Hernando	1	7	6	5	5	3	1	2	1				4	35	64.6	11.2
Highlands	1	1	2	1								1		6	11.4	30.7
Hillsborough	4	5	3	1	4	16	15	23	32	22	12	23	1	161	23.7	17.2
Holmes	1													1	6.6	4.5
Indian River							1			1				2	3.0	3.9
Jackson				1										1	2.5	21.2
Jefferson															0.0	6.3
Lafayette															0.0	8.0
Lake			2	1	1	2	3			1	1	2		13	11.6	21.2
Lee		2	1	1	1		2	2	3	1	1	1	2	17	7.5	24.8
Leon	1	3	4	3	3	1	1		1	2	1	1		21	13.4	25.3
Levy							1							1	4.7	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee		3	2	6	4	7	3		1	1	2	2		31	19.2	30.8
Marion					2				1	3		3		9	6.5	7.2
Martin	1	2		2	2	1	1	8	2	4	1			24	33.3	40.8
Monroe	1	4	3	1	1	4		1	1	5				21	32.1	69.4
Nassau															0.0	15.1
Okaloosa					1			1		1	1			4	3.4	1.2
Okeechobee	1							1				1		3	13.5	67.9
Orange	6	4	1	6	11	11	13	8	10	2	2			74	14.9	34.8
Osceola				1				1	2	1				5	8.0	12.7
Palm Beach	2	4	2	5	5	3	3	6	4	6	4	6		50	7.5	29.9
Pasco	1	3	7	2	2		3	4		1	1	1		25	11.5	13.9
Pinellas	4	6	2	2	7	4	6	3	3	3	3	2		45	5.9	9.1
Polk	9	11	8	5	5	8	16	14	12	8	2	1	3	102	29.8	30.5
Putnam															0.0	6.1
St. Johns	4					2	2	2						10	17.6	13.1
St. Lucie	4		2		4						2	3		15	14.4	13.4
Santa Rosa						2								2	3.4	4.2
Sarasota	5	10	10	2		3	3					3		36	16.5	15.4
Seminole	1	1	3	2	4	3	7	3		2	5	1	3	35	17.9	54.7
Sumter					1	1			2		1			5	19.5	20.9
Suwanee							2						1	3	12.2	1.5
Taylor		1						1						2	11.5	16.4
Union								1		1				2	18.7	66.8
Volusia	1	4	1	2	2	2		6	1	2		1	4	26	9.3	89.0
Wakulla			1											1	9.1	138.8
Walton															0.0	0.0
Washington															0.0	6.6
STATE TOTAL	81	95	88	73	92	100	114	127	98	94	68	66	27	1123	10.6	19.3

*1979 - 1981 Average Rate

HEPATITIS A - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982

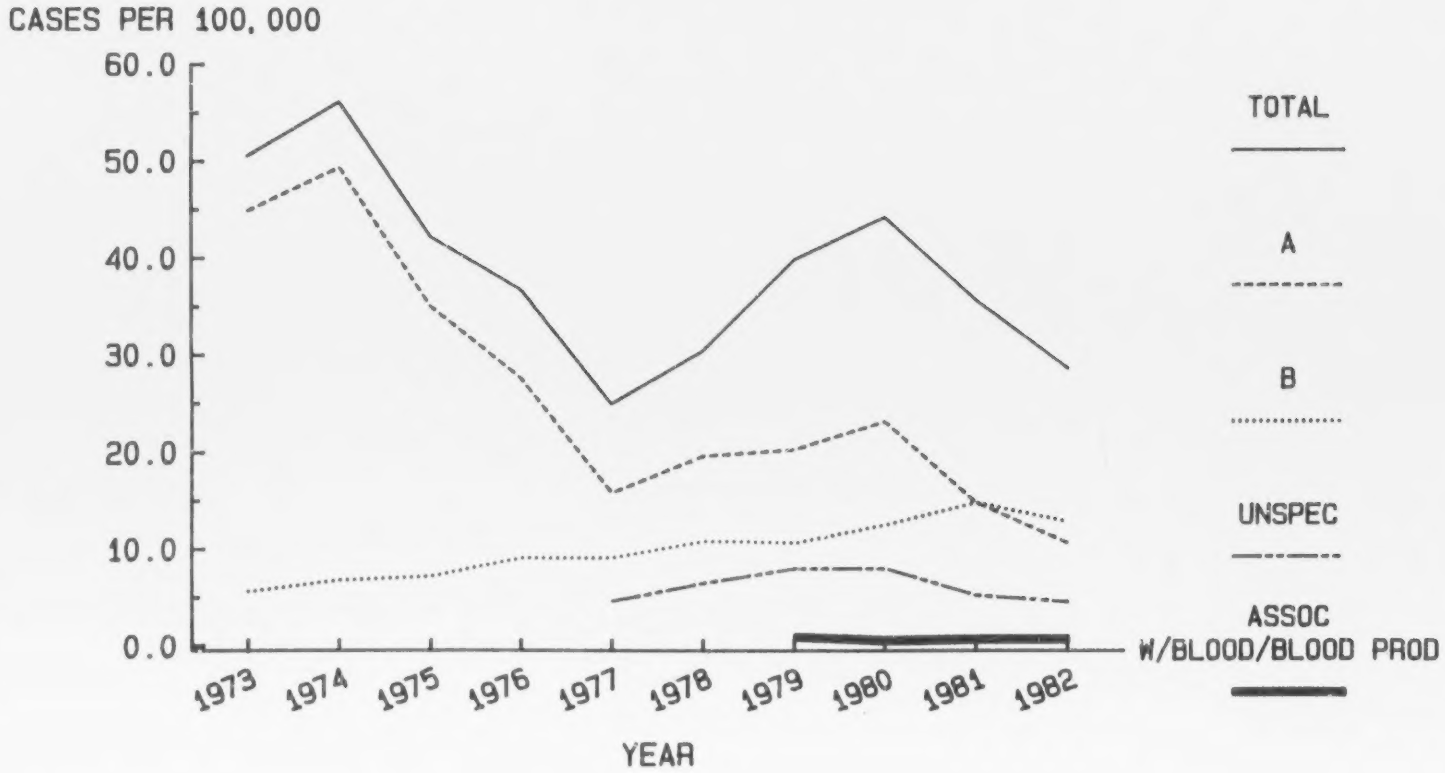


HEPATITIS A - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) Reported number of cases

HEPATITIS-REPORTED CASE RATES BY YEAR
FLORIDA 1973-1982



HEPATITIS B

In 1982, 1,356 cases of hepatitis B were reported to the state, which represents a 10.3% decrease from the total number of cases reported in 1981 (1,512). The case rate in 1982 (12.8 per 100,000) declined 13.5% from the rate in 1981 (14.8 per 100,000), marking the first time in more than 10 years that the rate declined. The number of cases remained fairly uniform throughout the year with the exception of April, May, and December, when relatively low values were observed.

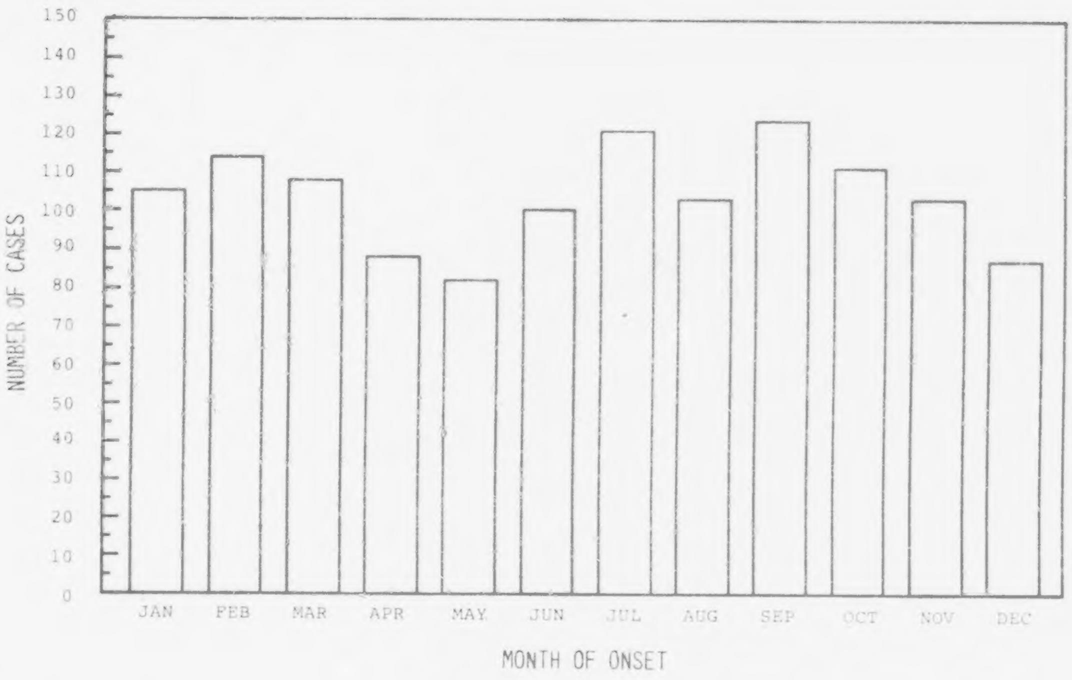
The age groups with the highest case rates were the 20-24 year-olds and 25-29 year-olds (34.4 and 32.8 per 100,000, respectively).

HEPATITIS B - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

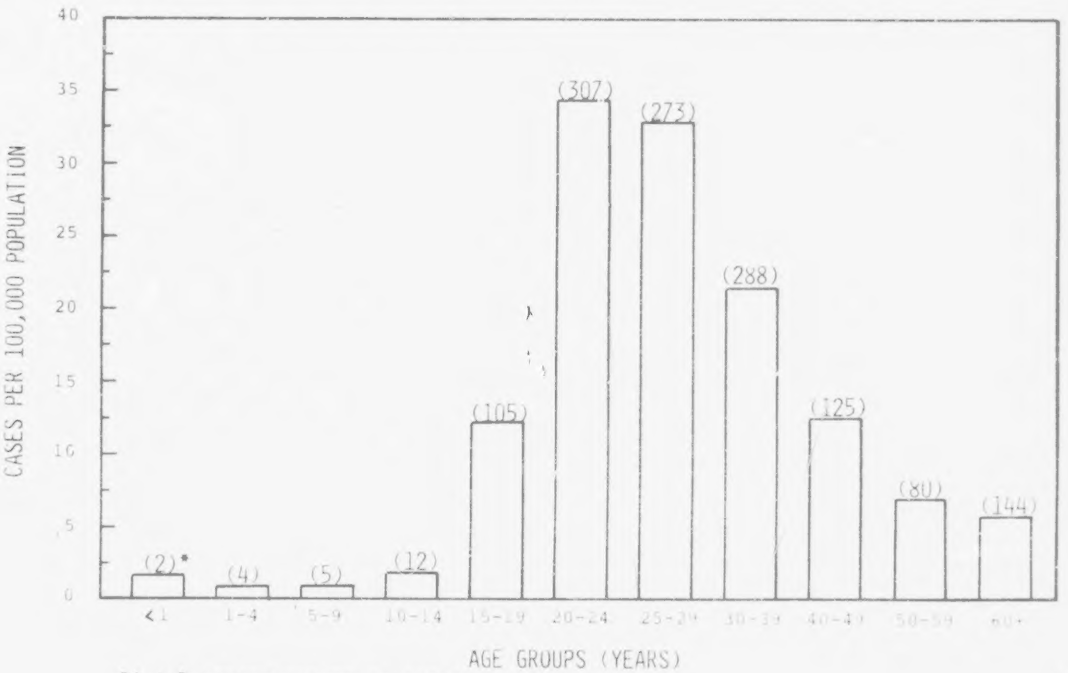
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua	1						1		1	2		1		6	3.8	9.0
Baker															0.0	
Bay												1		1	1.9	4.0
Bradford			1	1	1						1			4	19.8	8.6
Brevard	4	3	3	2	1	3	3	2	2	1	3		2	29	9.9	11.8
Broward	16	11	25	16	10	12	18	18	17	10	20	9	10	192	17.7	16.4
Calhcun															0.0	10.8
Charlotte			1	1							1			3	4.6	8.4
Citrus							1	2			1			4	6.2	4.4
Clay			1		1	1	1		1		1			6	8.2	3.6
Collier	2		1	2	3	4	1	1		3		2		19	19.5	10.7
Columbia															0.0	4.9
Dade	17	15	13	7	13	12	14	11	14	14	9	6	13	158	8.6	11.9
DeSoto															0.0	12.1
Dixie															0.0	4.2
Duval	7	5	7	7	4	3	3	2	3	6	2	8	8	65	11.2	10.9
Escambia	1			2	3	1	4	4	5	1	1	2	1	25	10.1	4.9
Flagler		1												1	7.3	9.2
Franklin										1				1	12.8	4.2
Gadsden										2				2	4.7	11.5
Gilchrist															0.0	5.5
Glades		1												1	15.8	0.0
Gulf															0.0	0.0
Hamilton															0.0	7.6
Hardee															0.0	0.0
Hendry								1						1	4.9	3.6
Hernando		1	1	2			1	2					2	9	16.6	7.5
Highlands															0.0	0.0
Hillsborough	7	5	1	3	5	10	15	4	10	7	4	11	2	84	12.4	11.3
Holmes	1													1	6.6	0.0
Indian River												1	1	2	3.0	5.0
Jackson												1		1	2.5	5.9
Jefferson															0.0	0.0
Lafayette															0.0	8.0
Lake	2			1										3	2.7	7.4
Lee	2	1		4	1	4	7	2	7	6	3	3	11	51	22.5	14.2
Leon			3		2	1	2	2	5	5	2			22	14.1	11.5
Levy															0.0	0.0
Liberty															0.0	7.7
Madison															0.0	4.5
Manatee	2	3	4	1	3		1	4				1	6	25	15.5	9.4
Marion						1				1	2	1	7	12	8.7	3.6
Martin	2					1		1	2				3	9	12.5	10.5
Monroe	2	4	1	1	1	3		2	5			1	3	23	35.2	30.9
Nassau										1				1	2.9	1.0
Okaloosa	1	1		2	1	1	1		1	1		4		13	11.2	9.5
Okeechobee			1	1			1	2		1			1	7	31.5	3.2
Orange	13	15	17	9	5	13	9	8	11	9	10	3	2	124	25.0	27.3
Osceola				1	1						1	4		7	11.1	10.7
Palm Beach	3	10	8	4	9	3	9	13	7	10	14	10		100	15.1	14.5
Pasco	1	2	1	1	1	4	1			1		3		15	6.9	11.3
Pinellas	12	9	10	7	5	3	9	9	2	6	5	6	1	84	11.0	12.3
Polk	1	6	3	4	5	9	1		7	4	2	2	4	48	14.0	11.1
Putnam															0.0	6.1
St. Johns		1					3		1		1			6	10.6	11.8
St. Lucie							1		3					4	3.8	10.8
Santa Rosa		2	1	1			5	1	3	1	1			15	25.5	9.7
Sarasota	2	6	1	1	1	4	2	3	5	4	4	1		34	15.6	11.5
Seminole		1		1	2	4	4	1	2	1	1		8	25	12.8	14.7
Sumter	1											1		2	7.8	4.2
Suwanee										1				1	4.1	4.5
Taylor							1		1		1	1		4	23.1	2.0
Union								1	1	3	2			7	65.6	85.9
Volusia	5	11	4	6	4	3	1	5	7	8	11	4	24	93	33.2	28.1
Wakulla								1		1				2	18.2	18.9
Walton									1					1	4.5	1.5
Washington							1	1						2	13.1	4.4
STATE TOTAL	105	114	108	88	82	100	121	103	124	111	103	87	110	1356	12.8	12.7

*1979 - 1981 Average rate

HEPATITIS B - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



HEPATITIS B - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

HEPATITIS NON-A, NON-B

In 1982, 75 cases of non-A non-B (NANB) hepatitis associated with blood or blood products were reported to the state, as compared with 74 cases reported in 1981. The case rate in 1982 (0.7 per 100,000) was the same as that in 1981. Little seasonal variation was observed.

The age groups with the highest case rates (both 1.1 per 100,000) were the 30-39 year-olds and those 60 years old or greater.

In 1982, 183 cases of NANB hepatitis not associated with blood or blood products were reported to the state, representing a 74.3% increase from the total number of cases reported in 1981 (105). The case rate in 1982 (1.7 per 100,000) increased by 70.0% from the rate in 1981 (1.0/100,000). The number of cases was observed to be the highest in the spring and fall.

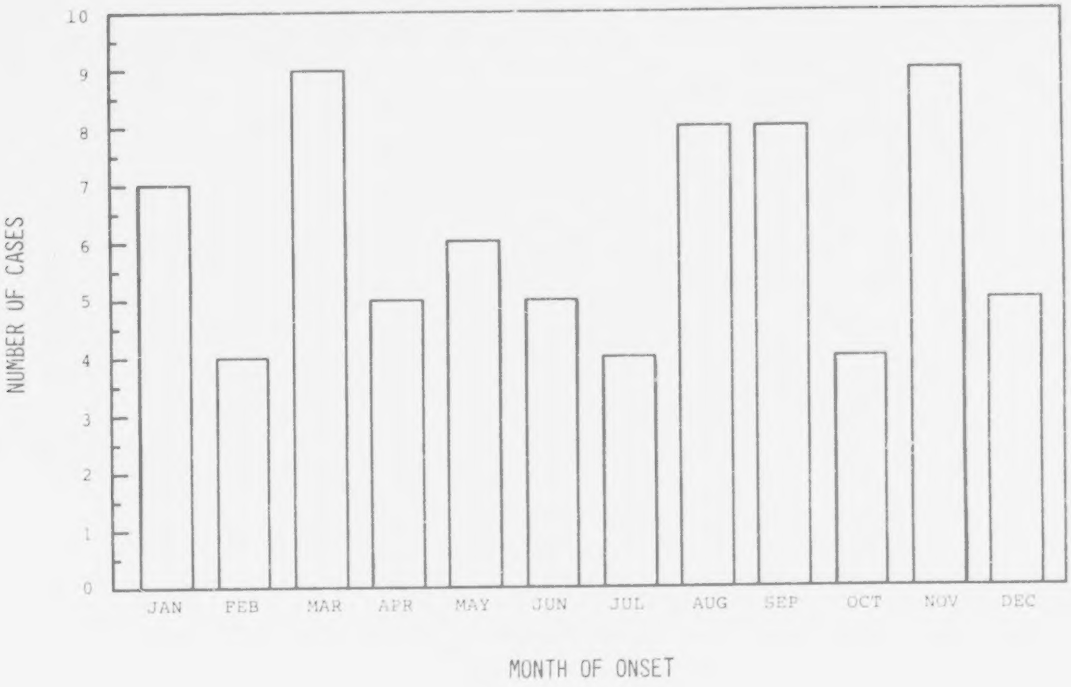
The age groups with the highest case rates were the 20-24 year-olds (3.7 per 100,000), 25-29 year-olds (3.3 per 100,000), and the 30-39 year-olds (3.0 per 100,000).

HEPATITIS NANB ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

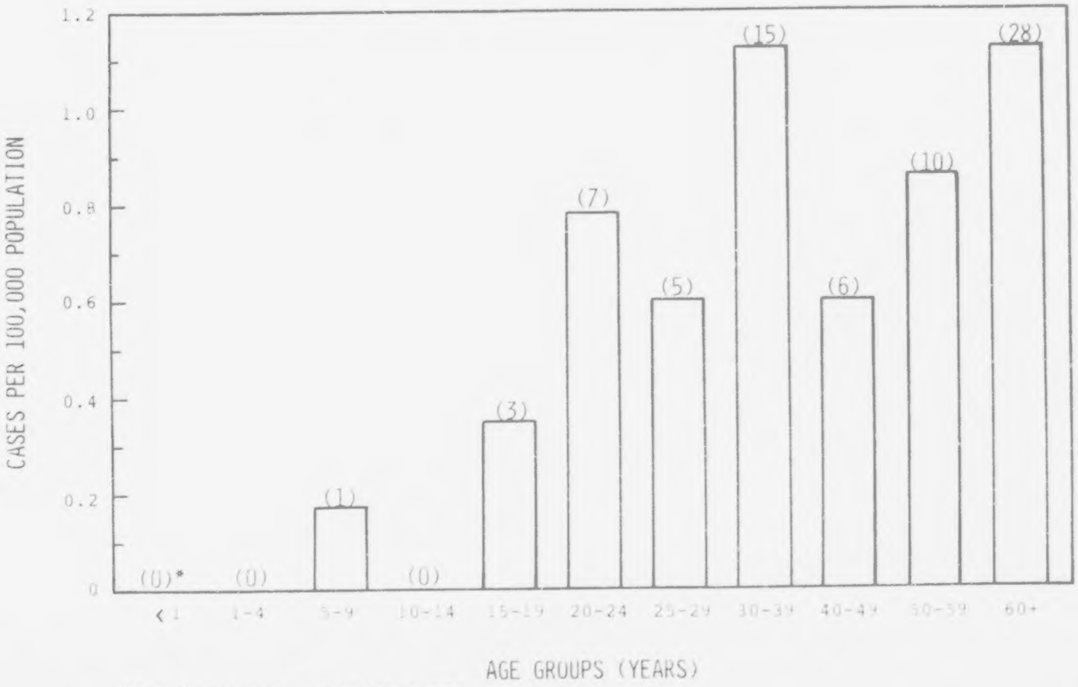
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. * MEAN
Alachua				1				1						2	1.3	0.0
Baker															0.0	0.0
Bay															0.0	0.0
Bradford										1				1	4.9	0.0
Brevard								1			1			2	0.7	0.1
Broward	2	2	3			1	1	1	1		3			14	1.3	1.3
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus															0.0	0.0
Clay															0.0	0.5
Collier															0.0	1.9
Columbia															0.0	1.0
Dade	2				1			3	1	1				8	0.4	0.7
DeSoto															0.0	0.0
Dixie															0.0	0.0
Duval															0.0	0.2
Escambia															0.0	0.6
Flagler															0.0	0.0
Franklin															0.0	4.2
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry															0.0	0.0
Hernando															0.0	0.0
Highlands															0.0	0.0
Hillsborough	1								1		1	1		4	0.6	0.5
Holmes															0.0	0.0
Indian River															0.0	0.0
Jackson															0.0	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake															0.0	0.0
Lee						1			1		1	1	1	5	2.2	3.1
Leon						1								1	0.6	0.2
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee															0.0	0.0
Marion															0.0	0.0
Martin							1							1	1.4	1.6
Monroe				1		1			1					3	4.6	2.7
Nassau															0.0	1.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange	1		3		2			2			1	2		11	2.2	1.0
Osceola															0.0	0.0
Palm Beach	1	2	1	3	1		1		1	1		1		12	1.8	0.8
Pasco															0.0	0.4
Pinellas		2		2	1			2	1	2				10	1.3	1.4
Polk															0.0	0.3
Putnam															0.0	0.0
St. Johns															0.0	0.0
St. Lucie															0.0	0.0
Santa Rosa															0.0	1.2
Sarasota															0.0	0.3
Seminole															0.0	0.0
Sumter															0.0	0.0
Suwanee															0.0	0.0
Taylor															0.0	0.0
Union															0.0	3.2
Volusia							1							1	0.4	1.3
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	7	4	9	5	6	5	4	8	8	4	9	5	1	75	0.7	0.7

*1979-1981 Average rate

HEPATITIS NANB ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



HEPATITIS NANB ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



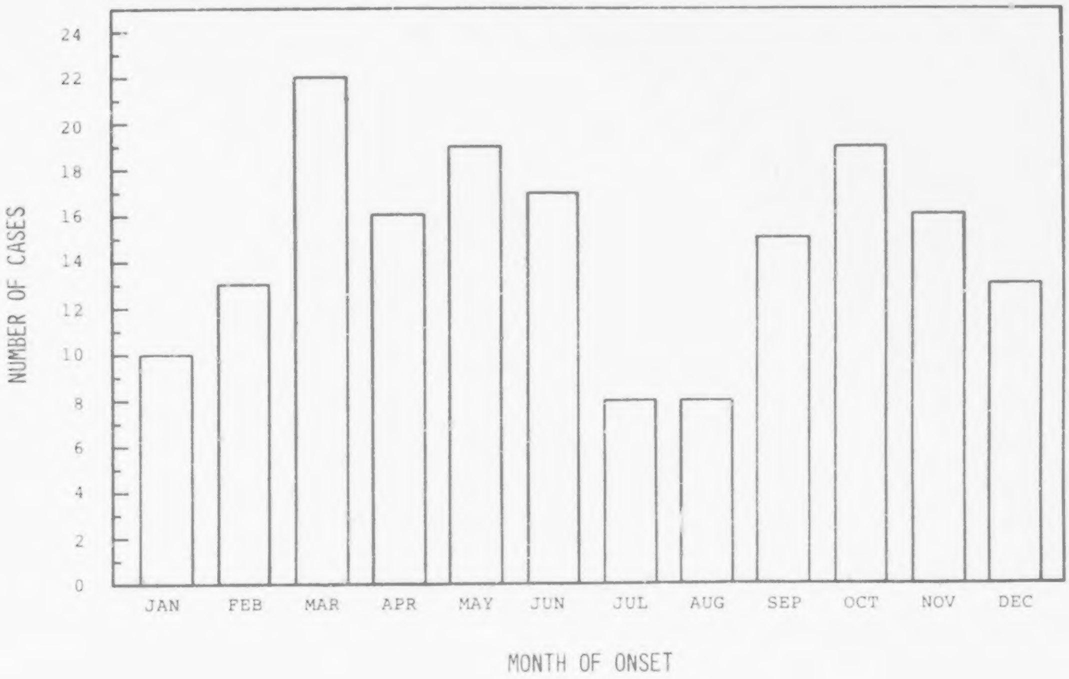
*( ) REPORTED NUMBER OF CASES

HEPATITIS NANB NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA 1982

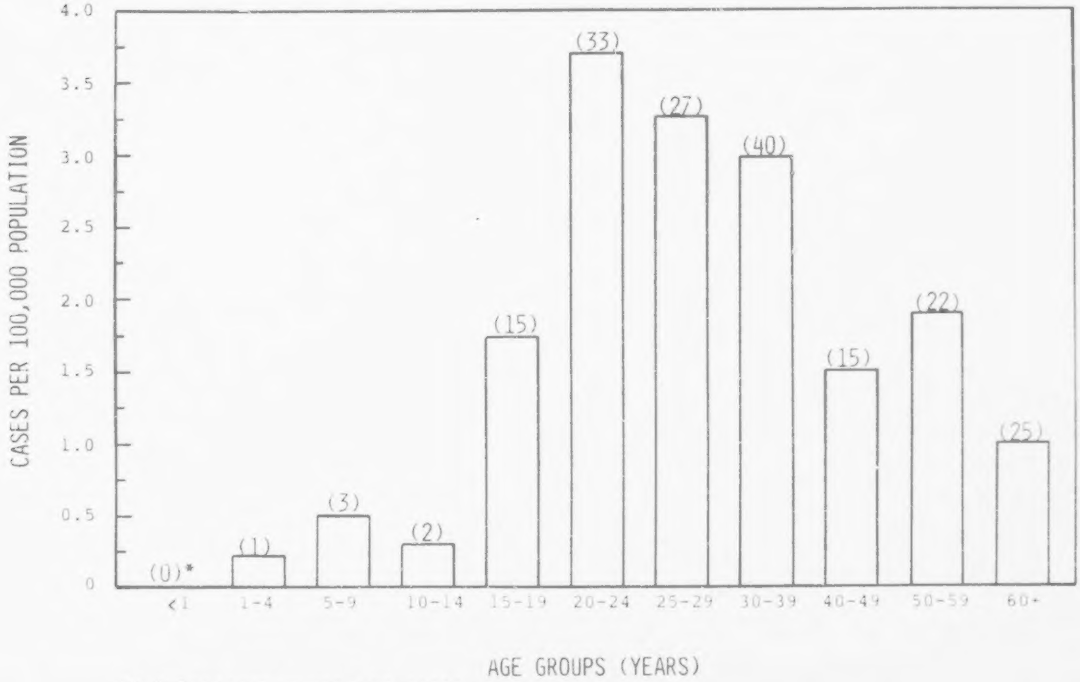
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. * MEAN
Alachua			1		1									2	1.3	--
Baker															0.0	--
Bay															0.0	--
Bradford															0.0	--
Brevard															0.0	--
Broward															0.0	--
Calhoun															0.0	--
Charlotte															0.0	--
Citrus															0.0	--
Clay															0.0	--
Collier		1	1							3	1			6	6.2	--
Columbia															0.0	--
Dade	1	1	2		1	1			2		2	1		11	0.6	--
DeSoto															0.0	--
Dixie															0.0	--
Duval			2	1					2	2		2	1	10	1.7	--
Escambia															0.0	--
Flagler															0.0	--
Franklin															0.0	--
Gadsden															0.0	--
Gilchrist															0.0	--
Glades															0.0	--
Gulf															0.0	--
Hamilton															0.0	--
Hardee															0.0	--
Hendry															0.0	--
Hernando															0.0	--
Highlands															0.0	--
Hillsborough		1		1						1	1			4	0.6	--
Holmes															0.0	--
Indian River															0.0	--
Jackson															0.0	--
Jefferson															0.0	--
Lafayette															0.0	--
Lake															0.0	--
Lee						1			1	1			3	6	2.6	--
Leon		1				1		1	3	1	1			8	5.1	--
Levy															0.0	--
Liberty															0.0	--
Madison															0.0	--
Manatee															0.0	--
Marion		1											1	2	1.5	--
Martin															0.0	--
Monroe	1	1		2						1		1		6	9.2	--
Nassau															0.0	--
Okaloosa															0.0	--
Okeechobee															0.0	--
Orange	3	5	5		6	6		5	5	1	4	4		44	8.9	--
Osceola															0.0	--
Palm Beach	2	1	6	8	4	1	2	1	2	5	5	4		41	6.2	--
Pasco	1			1										2	0.9	--
Pinellas		1	4	1	3	2	1	1		1	2	1		17	2.2	--
Polk						1	1			1				3	0.9	--
Putnam															0.0	--
St. Johns															0.0	--
St. Lucie															0.0	--
Santa Rosa															0.0	--
Sarasota															0.0	--
Seminole			1	1	2	2	1			1				8	4.1	--
Sumter															0.0	--
Suwanee															0.0	--
Taylor													1	1	5.8	--
Union															0.0	--
Volusia	2			1	2	2	3			1			1	12	4.3	--
Wakulla															0.0	--
Walton															0.0	--
Washington															0.0	--
STATE TOTAL	10	13	22	16	19	17	8	8	15	19	16	13	7	183	1.7	--

*Not reported as a separate type of hepatitis in 1979.

HEPATITIS NANB NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



HEPATITIS NANB NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) Reported number of cases

HEPATITIS UNSPECIFIED

In 1982, 477 cases of hepatitis unspecified were reported to the state, which represents a 10.0% decrease from the total number of cases reported in 1981 (530). The case rate in 1982 (4.5 per 100,000) decreased by 13.5% from the rate in 1981 (5.2 per 100,000). The number of cases was greatest between April and July.

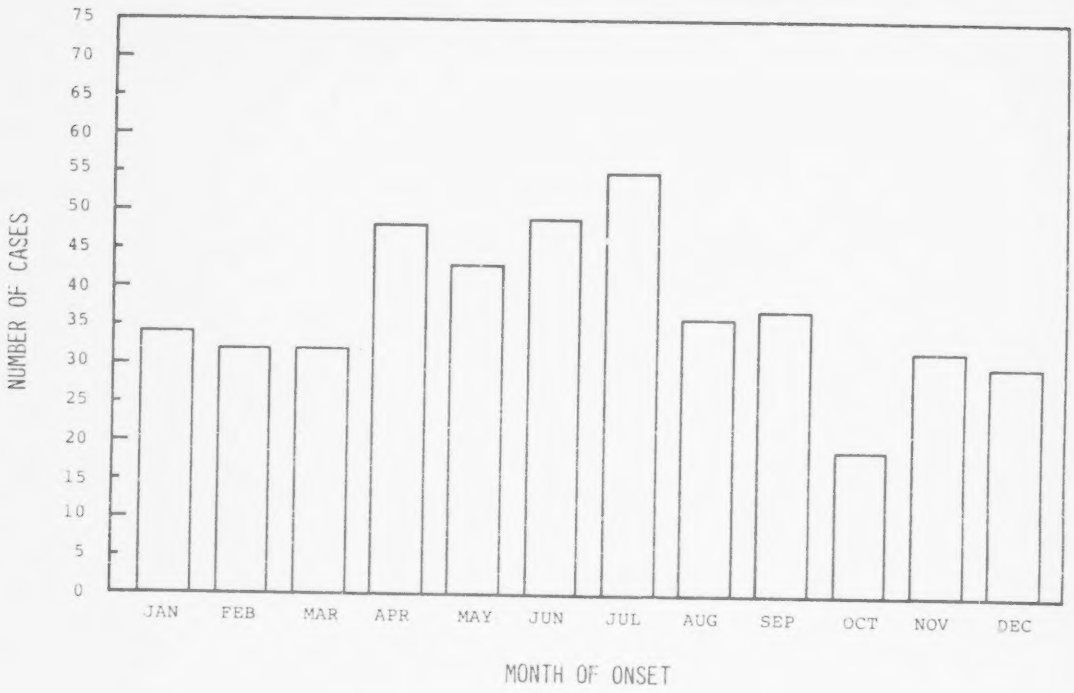
The highest age-specific case rates occurred among the 20-24 year-olds and the 25-29 year-olds (10.7 and 11.0 per 100,000, respectively).

HEPATITIS UNSPECIFIED - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA 1982

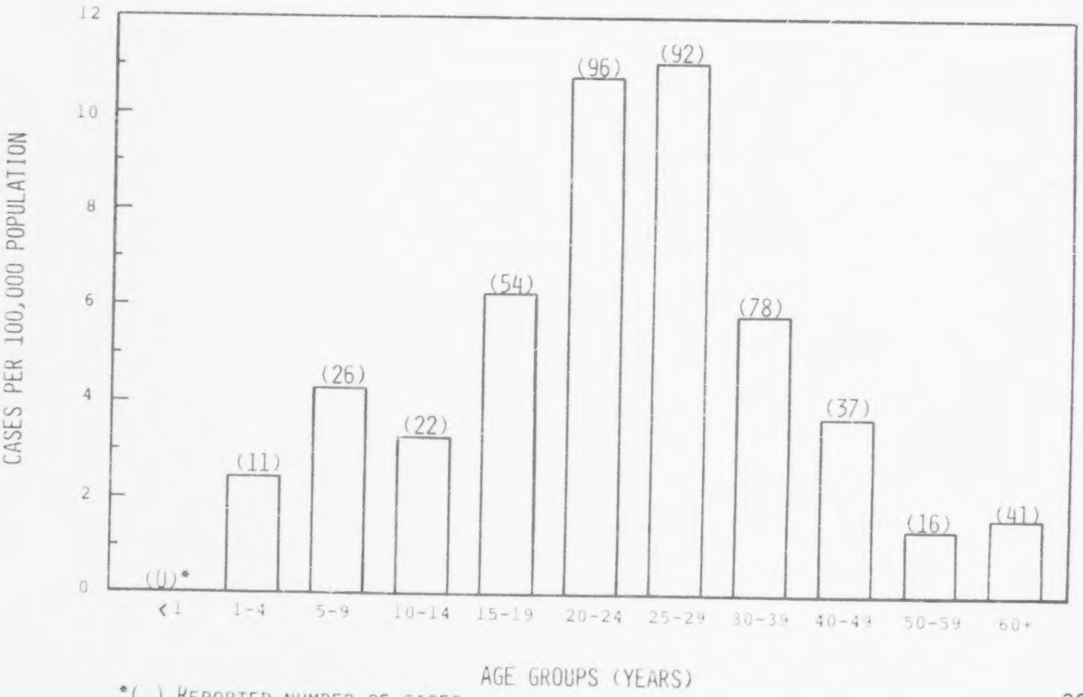
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua									1		2			3	1.9	5.8
Baker															0.0	2.2
Bay								1						1	1.0	3.0
Bradford															0.0	8.6
Brevard			1	1				1						3	1.0	3.0
Broward	9	6	3	6	4	5	4		3	4	11	8	2	65	6.0	6.3
Calhoun													1	1	10.5	7.2
Charlotte													1	1	1.5	4.5
Citrus							2		1				1	4	6.2	6.9
Clay			1	1			1	1			1			5	6.8	5.6
Collier	1			1	1	1						1		5	5.1	12.6
Columbia				1					1					2	5.5	2.9
Dade	2	1	2	2	1	6		3			4			21	1.1	7.3
DeSoto											1			1	5.1	1.7
Dixie															0.0	16.8
Duval	3	2	3			1	4		3				2	18	3.1	3.7
Escambia															0.0	0.1
Flagler															0.0	6.1
Franklin															0.0	0.0
Gadsden															0.0	0.8
Gilchrist															0.0	5.5
Glades															0.0	5.5
Gulf															0.0	0.0
Hamilton															0.0	7.6
Hardee															0.0	10.4
Hendry															0.0	3.6
Hernando															0.0	0.0
Highlands															0.0	0.0
Hillsborough	1		1	3	1	4	3	6	5	2	1	4	1	32	4.7	6.5
Holmes															0.0	0.0
Indian River							1							1	1.5	12.1
Jackson							1							1	2.5	7.6
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake		2	1		1							2		6	5.4	12.9
Lee	1	2			2	2	1		1	1	1	1	6	18	7.9	13.1
Leon	1		1	1	1	3		1	1	2	3	3		17	10.9	17.0
Levy															0.0	3.4
Liberty															0.0	0.0
Madison											1		1	2	13.0	0.0
Manatee	2		1		2	1	1		1					8	5.0	1.6
Marion	1		1							2			2	6	4.4	5.5
Martin															0.0	2.1
Monroe					2	2					1	1		6	9.2	30.3
Nassau					3	1					1	1		6	17.3	6.1
Okaloosa				1										1	0.9	2.4
Okeechobee												1		1	4.5	4.9
Orange	2	6	3	8	13	4	5	4						45	9.1	17.1
Osceola							1							1	1.6	5.3
Palm Beach	3	2	2	2					2					11	1.7	5.0
Pasco	1		3		1		1							6	2.7	4.4
Pinellas	2		3		1	2	4	4	4			1		21	2.8	2.8
Polk	2	5	3	14	5	11	20	8	8	4	3	5	7	95	27.8	18.3
Putnam								1						1	1.9	0.7
St. Johns				1			1						1	3	5.3	0.7
St. Lucie				2		1			2	1				6	5.8	4.1
Santa Rosa	1						1							2	3.4	0.6
Sarasota				2	4					3	2			11	5.0	3.1
Seminole	1	4	2		1	1	1	1	2					13	6.6	17.4
Sumter						1	1							2	7.8	7.0
Suwanee															0.0	4.5
Taylor															0.0	51.1
Union									1			1		2	18.7	25.5
Volusia	1	1	2	2		3	2	5	1			1	5	23	8.2	8.3
Wakulla															0.0	3.2
Walton															0.0	1.6
Washington															0.0	0.0
STATE TOTAL	34	32	32	48	43	49	55	36	37	19	32	30	30	477	4.5	7.0

*1979-1981 Average rate

HEPATITIS UNSPECIFIED - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



HEPATITIS UNSPECIFIED - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

VACCINE PREVENTABLE DISEASES

MEASLES

In 1982, 246 cases of measles were reported to the state, which represents a 28.7% decrease from the total number of cases reported in 1981 (345). The case rate in 1982 (2.3 per 100,000) declined 32.4% from the rate in 1981 (3.4 per 100,000).

The number of cases remained at fairly low levels until October and November when 124 and 78 cases, respectively, were reported.

Children aged 10-14 years had the highest reported rate of illness (15.5 per 100,000), which represents a 29.2% increase from 1981 (12.0 per 100,000). Each year from 1979-81, the highest age-specific incidence rate per 100,000 population was in the 1-4 year-old age group. In 1982, this group had a rate of 10.0 per 100,000 as compared with 18.0 per 100,000 in 1981. The 5-9 year-old age group contributed 55 cases (9.1 per 100,000).

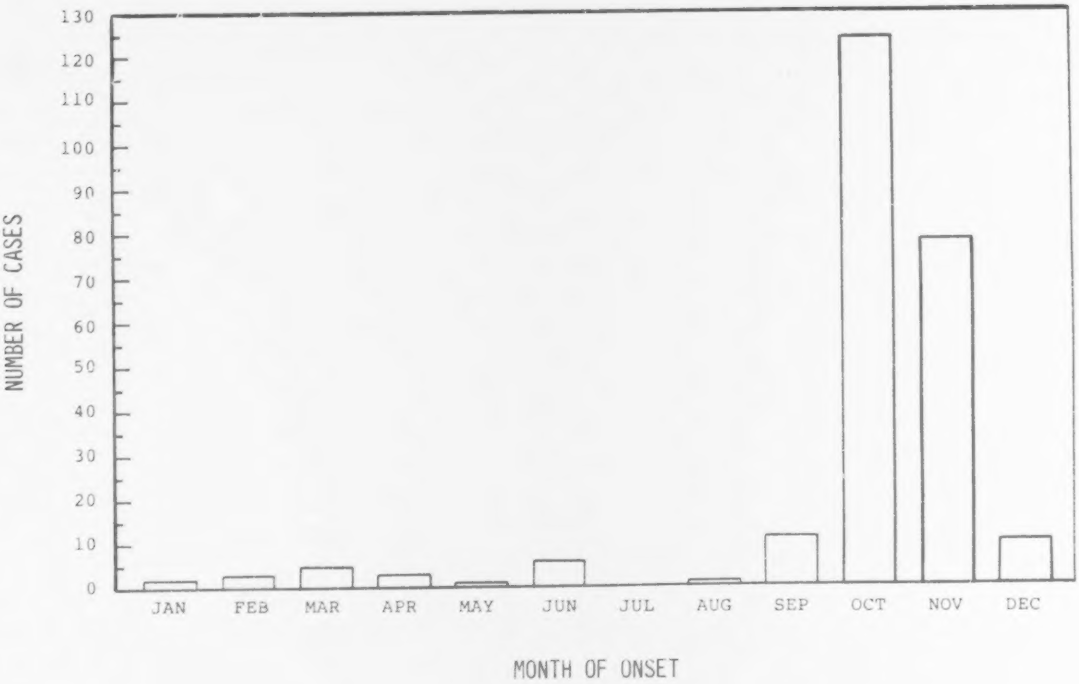
A measles epidemic, the largest one in the United States in 1982, erupted in Dade County in September. Even with a state of measles emergency declared, 211 cases of red measles involving school children were diagnosed by the end of December.

MEASLES - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

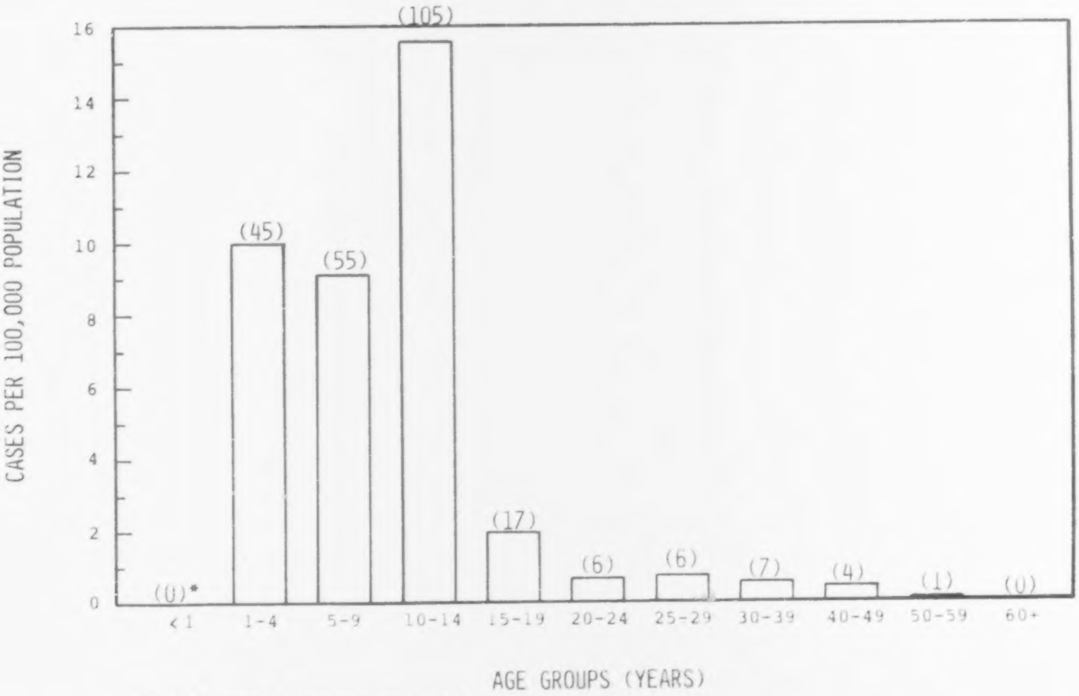
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua															0.0	0.9
Baker															0.0	31.2
Bay															0.0	0.3
Bradford															0.0	1.7
Brevard															0.0	4.3
Broward			1	1		1								3	0.3	10.3
Calhoun															0.0	10.8
Charlotte										3	2			5	7.6	1.1
Citrus															0.0	32.1
Clay															0.0	2.0
Collier															0.0	0.8
Columbia															0.0	1.9
Dade	2	1	2						10	119	73	9	2	218	11.9	2.3
DeSoto						2								2	10.1	5.2
Dixie															0.0	4.2
Duval															0.0	1.5
Escambia															0.0	10.4
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	7.4
Gilchrist															0.0	5.5
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	5.2
Hendry															0.0	10.7
Hernando															0.0	24.0
Highlands															0.0	0.0
Hillsborough		2												2	0.3	9.4
Holmes															0.0	6.8
Indian River															0.0	1.1
Jackson															0.0	4.2
Jefferson															0.0	3.1
Lafayette															0.0	0.0
Lake											1			1	0.9	4.2
Lee															0.0	14.3
Leon															0.0	12.0
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee			1	1										2	1.2	4.5
Marion															0.0	2.2
Martin				1						1				2	2.8	1.6
Monroe															0.0	0.5
Nassau															0.0	2.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange															0.0	1.4
Osceola			1					1		1				3	4.8	3.3
Palm Beach					1	1			1					3	0.5	7.7
Pasco															0.0	36.3
Pinellas											1	1		2	0.3	5.3
Polk						2								2	0.6	2.1
Putnam															0.0	4.1
St. Johns															0.0	0.7
St. Lucie															0.0	2.6
Santa Rosa															0.0	0.6
Sarasota											1			1	1.7	0.5
Seminole															0.0	3.0
Sumter															0.0	7.0
Suwanee															0.0	3.0
Taylor															0.0	0.0
Union															0.0	3.2
Volusia															0.0	11.0
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	2	3	5	3	1	6	0	1	11	124	78	10	2	246	2.3	5.8

*1979-1981 Average rate

MEASLES (RUBEOLA) - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



MEASLES (RUBEOLA) - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

PERTUSSIS

In 1982, 59 cases of pertussis were reported to the state, which represents a 24.4% decrease from the total number of cases reported in 1981 (78). The case rate in 1982 (0.6 per 100,000) declined 25.0% from the rate in 1981 (0.8 per 100,000).

The highest number of cases reported in a single month was 11 in July.

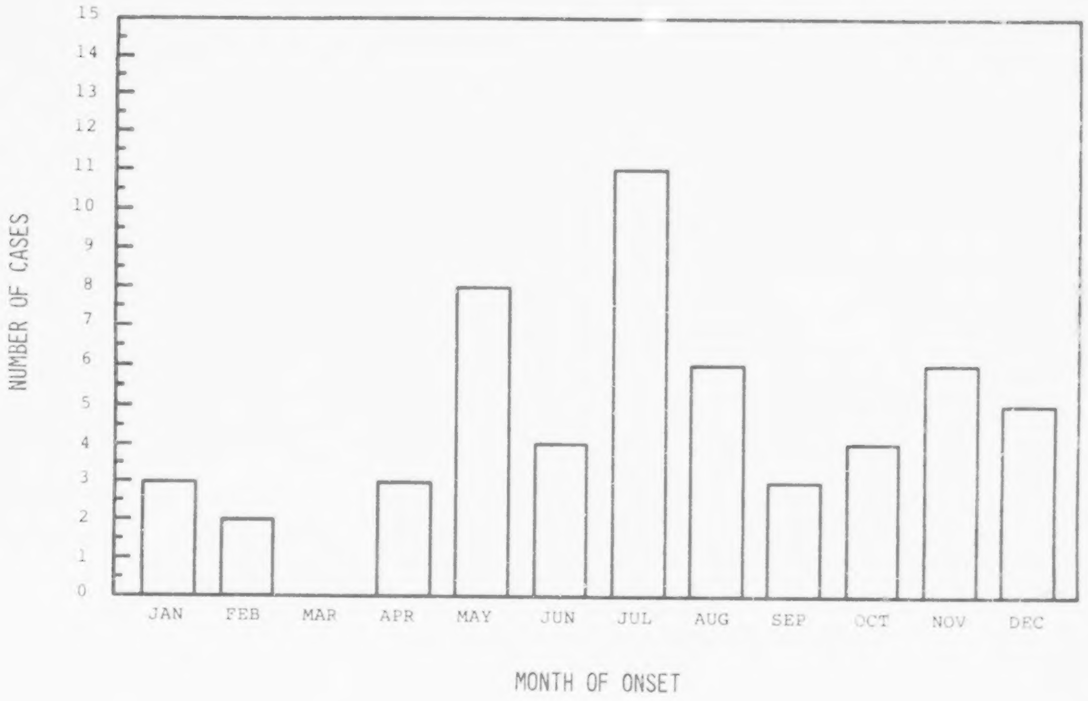
Children less than 1 year of age had the highest reported rate of illness (25.1 per 100,000) followed by 1-4 year-olds (5.3 per 100,000). No cases were reported in persons greater than 19 years old.

PERTUSSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

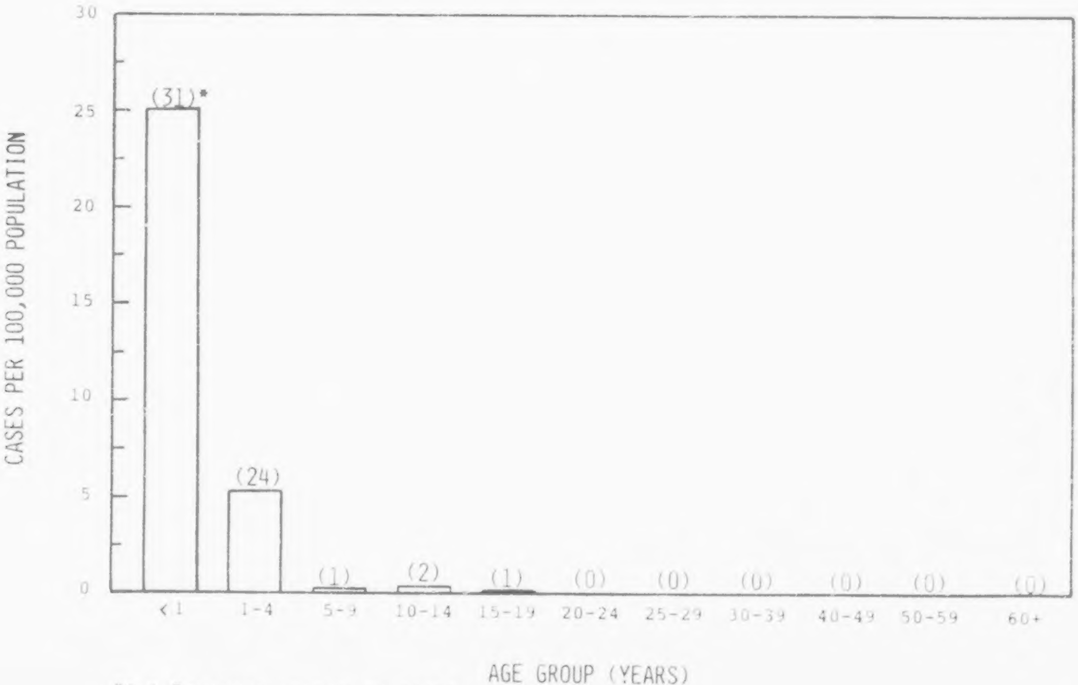
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. MEAN
Alachua					2	1								3	1.9	1.1
Baker															0.0	2.2
Bay															0.0	1.0
Bradford															0.0	0.0
Brevard							1							1	0.3	0.8
Broward															0.0	0.2
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus															0.0	0.0
Clay															0.0	1.5
Collier															0.0	0.8
Columbia															0.0	0.0
Dade						1		2						3	0.2	0.1
DeSoto															0.0	0.0
Dixie															0.0	0.0
Duval						1	1							2	0.3	1.6
Escambia															0.0	0.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry															0.0	8.9
Hernando															0.0	0.0
Highlands				2				1						3	5.7	0.7
Hillsborough					2		3		2		2	2		11	1.6	0.7
Holmes															0.0	0.0
Indian River															0.0	0.0
Jackson															0.0	3.4
Jefferson															0.0	0.0
Lafayette					1									1	25.1	0.0
Lake															0.0	1.9
Lee															0.0	0.3
Leon							1				2			3	1.9	3.4
Levy															0.0	0.0
Liberty															0.0	0.0
Madison												1		1	6.5	4.5
Manatee															0.0	0.7
Marion															0.0	0.8
Martin							1			1				2	2.8	0.5
Monroe															0.0	0.0
Nassau															0.0	1.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange															0.0	0.0
Osceola								1						1	1.6	0.0
Palm Beach	1					1				1	1			4	0.6	1.6
Pasco		1			1									2	0.9	0.0
Pinellas				1			1							2	0.3	0.5
Polk	1	1			2		3	2	1	2	1	1		14	4.1	2.0
Putnam															0.0	0.0
St. Johns															0.0	1.3
St. Lucie													2	2	1.9	0.0
Santa Rosa															0.0	0.0
Sarasota															0.0	0.3
Seminole	1													1	0.5	1.1
Sumter															0.0	0.0
Suwanee												1		1	4.1	1.5
Taylor															0.0	0.0
Union															0.0	0.0
Volusia													2	2	0.7	1.2
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	4.4
STATE TOTAL	3	2	0	3	8	4	11	6	3	4	6	5	4	59	0.6	0.7

*1979-1981 Average rate

PERTUSSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



PERTUSSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

RUBELLA

In 1982, 32 cases of rubella were reported to the state, which represents a 52.2% decrease from the total number of cases reported in 1981 (67). The case rate in 1982 (0.3 per 100,000) declined 57.1% from the rate in 1981 (0.7 per 100,000).

The highest number of cases reported in a single month was 9 in October.

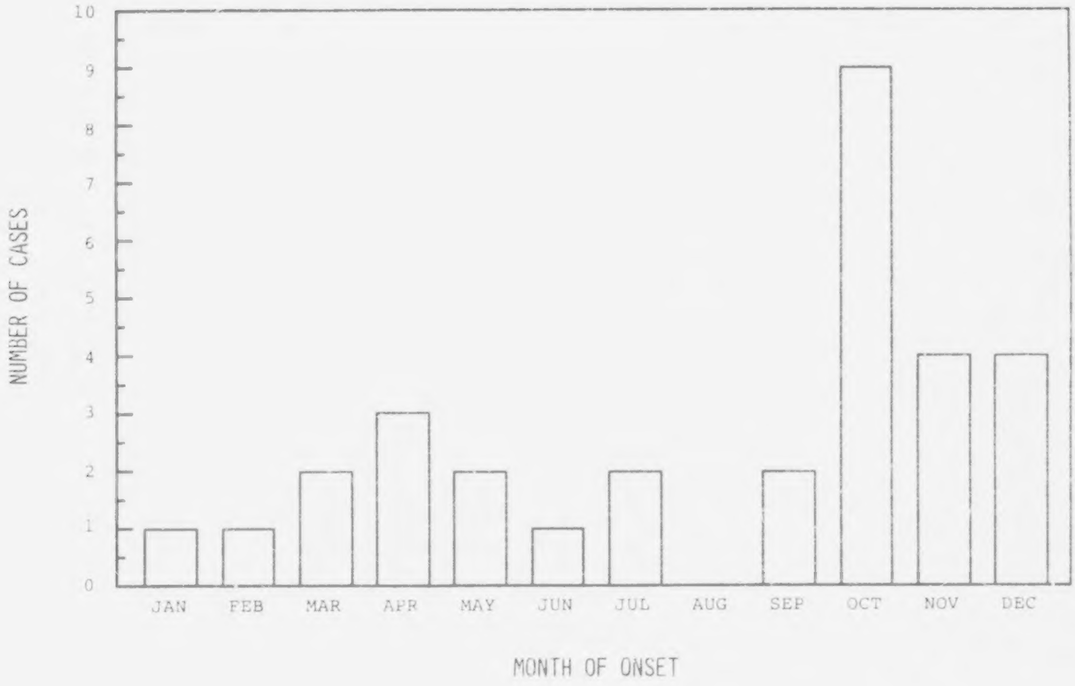
Children aged 1-4 had the highest reported rate of illness (3.1 per 100,000), which represents a 27.9% increase from 1981 (4.3 per 100,000).

RUBELLA - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA 1982

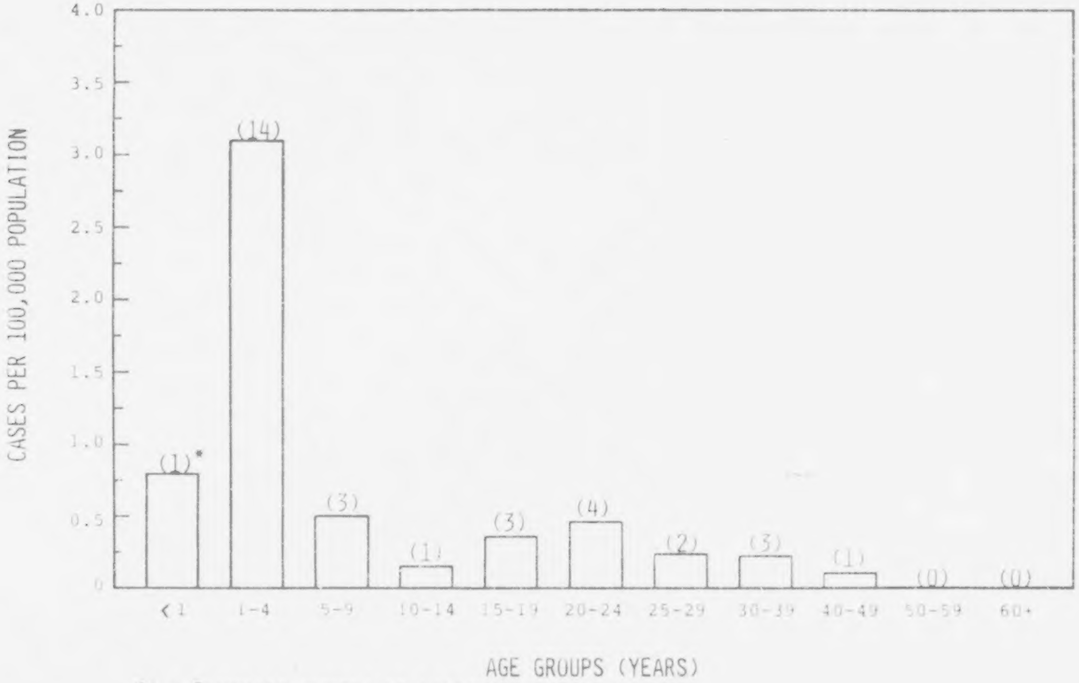
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua						1	2							3	1.9	21.3
Baker															0.0	2.2
Bay															0.0	2.4
Bradford															0.0	0.0
Brevard															0.0	0.5
Broward															0.0	1.7
Calhoun													1	1	10.5	7.2
Charlotte															0.0	0.6
Citrus															0.0	2.5
Clay															0.0	0.0
Collier									1	1				2	2.1	3.1
Columbia															0.0	2.9
Dade															0.0	1.2
DeSoto															0.0	0.0
Dixie															0.0	0.0
Duval															0.0	0.9
Escambia															0.0	0.6
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.8
Gilchrist															0.0	0.0
Glades															0.0	11.0
Gulf															0.0	6.2
Hamilton															0.0	0.0
Hardee															0.0	1.7
Hendry															0.0	7.1
Hernando															0.0	0.7
Highlands															0.0	0.0
Hillsborough		1								1		2		4	0.6	2.9
Holmes															0.0	11.4
Indian River															0.0	0.0
Jackson															0.0	1.7
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake										2				2	1.8	1.3
Lee															0.0	0.3
Leon									1					1	0.6	2.0
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee	1		1	1						1	1	1		6	3.7	3.1
Marion															0.0	0.6
Martin															0.0	0.5
Monroe															0.0	1.6
Nassau															0.0	1.0
Okaloosa											1			1	0.9	1.2
Okeechobee															0.0	0.0
Orange															0.0	0.9
Osceola										1				1	1.6	0.7
Palm Beach															0.0	0.8
Pasco					2									2	0.9	3.2
Pinellas				2								1		3	0.4	1.0
Polk											1			1	0.3	1.4
Putnam															0.0	0.0
St. Johns															0.0	1.3
St. Lucie															0.0	0.7
Santa Rosa			1											1	1.7	1.8
Sarasota															0.0	0.0
Seminole											1			1	0.5	1.1
Sumter															0.0	16.7
Suwanee															0.0	3.0
Taylor															0.0	2.0
Union															0.0	3.2
Volusia										3				3	1.1	0.9
Wakulla															0.0	3.2
Walton															0.0	4.8
Washington															0.0	2.2
STATE TOTAL	1	1	2	3	2	1	2	0	2	9	4	4	1	32	0.3	1.7

*1979-1981 Average rate

RUBELLA (GERMAN MEASLES) - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982

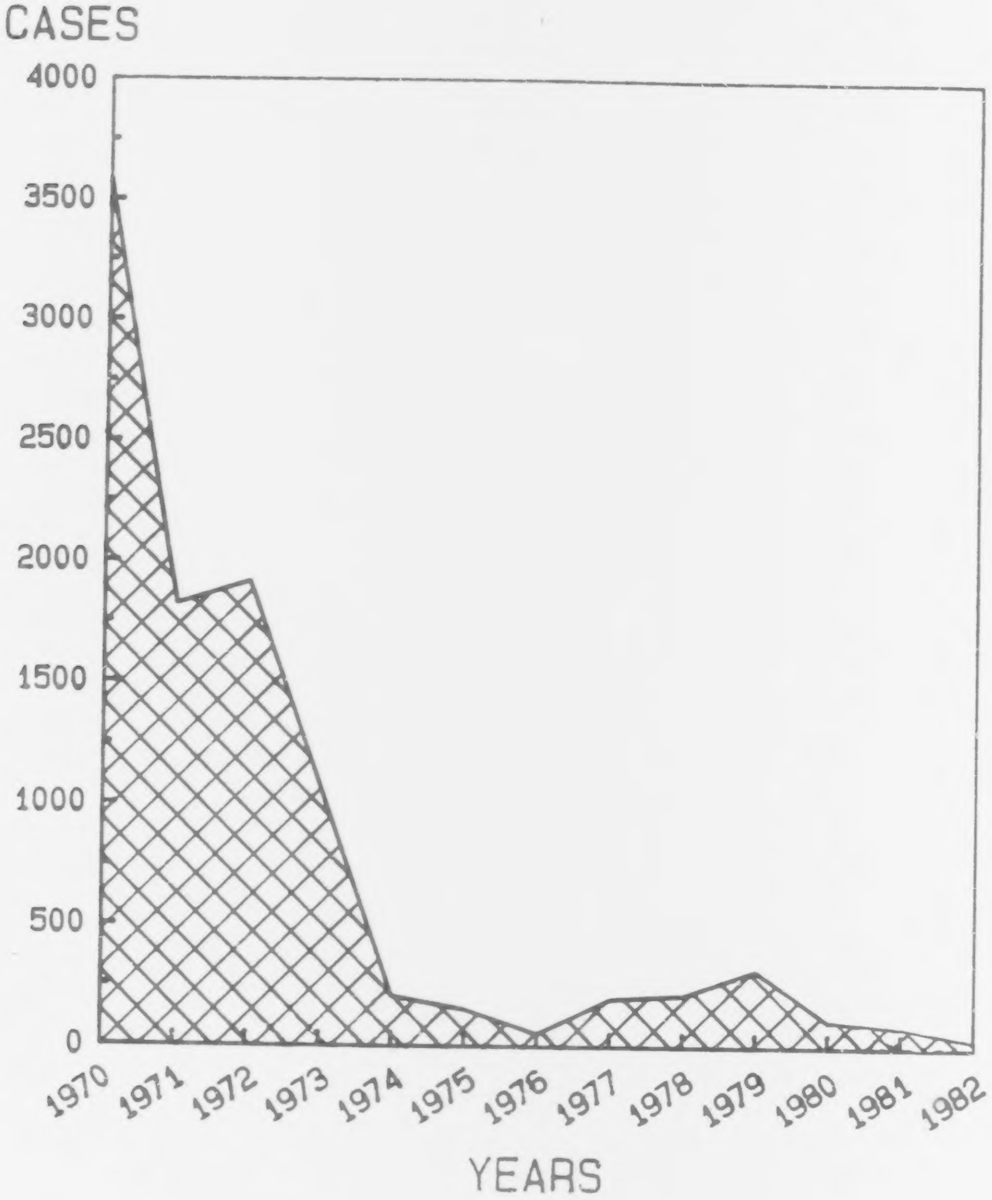


RUBELLA (GERMAN MEASLES) - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

RUBELLA CASES REPORTED
FLORIDA, 1970-1982



ENTERIC DISEASES

CAMPYLOBACTERIOSIS

Campylobacteriosis was not considered a notifiable disease before mid-1982; 622 cases of campylobacteriosis were reported to the state in 1982 and the case rate was 5.9 per 100,000.

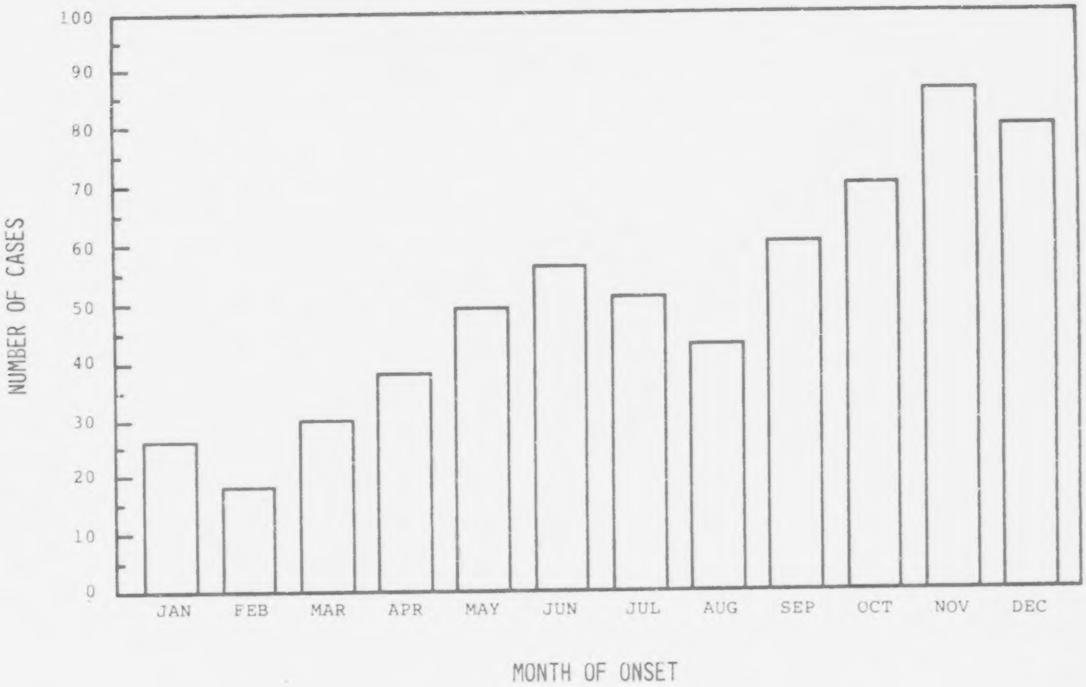
The highest age-specific incidence rate per 100,000 was in the less than 1-year-old age group (35.6 per 100,000) followed by those aged 1-4 (17.7 per 100,000). A second peak was observed in the 20-24 year-olds and 25-29 year-olds (10.8 and 8.4 per 100,000, respectively).

CAMPYLOBACTERIOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

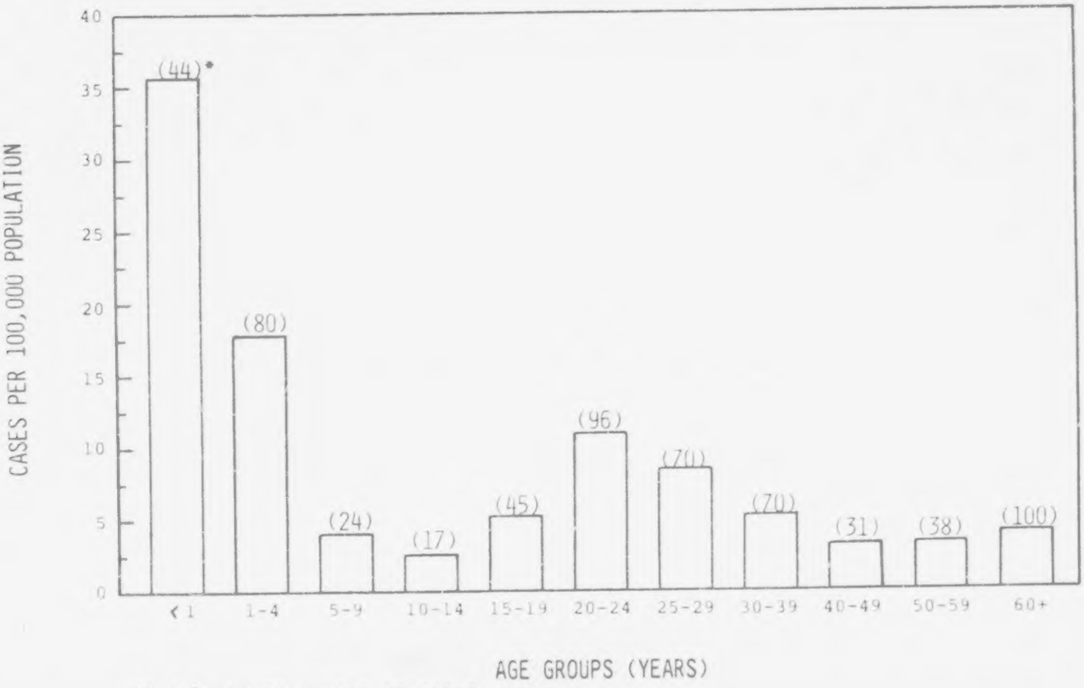
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. * MEAN
Alachua				1	1		1	4	2	3	6			18	11.4	--
Baker															0.0	--
Bay															0.0	--
Bradford															0.0	--
Brevard													1	1	0.3	--
Broward	3	2	9	5	8	8	13	7	14	16	12	18	8	123	11.4	--
Calhoun															0.0	--
Charlotte															0.0	--
Citrus								1						1	1.5	--
Clay								1				1		2	2.7	--
Collier	1	1		3	1	2	5	2	1	1	6	5		28	28.7	--
Columbia															0.0	--
Dade							1	1	1	1	3	5		12	0.7	--
DeSoto											1	1		2	10.1	--
Dixie															0.0	--
Duval	3	1	3	1	2	7		3	2	1	3	2		28	4.8	--
Escambia															0.0	--
Flagler															0.0	--
Franklin															0.0	--
Gadsden															0.0	--
Gilchrist															0.0	--
Glades															0.0	--
Gulf															0.0	--
Hamilton															0.0	--
Hardee															0.0	--
Hendry															0.0	--
Hernando															0.0	--
Highlands															0.0	--
Hillsborough	2	4	5	2	2	1	5	8	3	7	3	13		55	8.1	--
Holmes															0.0	--
Indian River												5		5	7.5	--
Jackson															0.0	--
Jefferson															0.0	--
Lafayette															0.0	--
Lake															0.0	--
Lee				1				1			2	1		5	2.2	--
Leon	5	1	2	8	1	3	3	1	8	7	15	2		56	35.8	--
Levy															0.0	--
Liberty															0.0	--
Madison															0.0	--
Manatee															0.0	--
Marion										3	1			4	2.9	--
Martin					1				1		2			4	5.6	--
Monroe							1			1				2	3.1	--
Nassau							1				6	1		8	23.0	--
Okaloosa							1			1				2	1.7	--
Okeechobee															0.0	--
Orange	5		5		1	11	2		2	3	2	1		32	6.5	--
Osceola		1					1			1		1		4	6.4	--
Palm Beach	6	5	3	6	11	5	3	2	7	4	4	3		59	8.9	--
Pasco					3					1	2			6	2.7	--
Pinellas	1	1			1	2	2	1	2	4	5	11	2	32	4.2	--
Polk		2	1	6	7	8	7	4	7	2	3	3	1	51	14.9	--
Putnam						2	1	3	6	3	2	2		19	36.5	--
St. Johns															0.0	--
St. Lucie															0.0	--
Santa Rosa										4				4	6.8	--
Sarasota				2	4	1	2	1		3	5	4	1	23	10.5	--
Seminole				1	2		1	1		1				6	3.1	--
Sumter															0.0	--
Suwanee															0.0	--
Taylor															0.0	--
Union															0.0	--
Volusia			1	2	4	6	1	2	4	3	2	1	2	28	10.0	--
Wakulla			1								1			2	18.2	--
Walton															0.0	--
Washington															0.0	--
STATE TOTAL	26	18	30	38	49	56	51	43	60	70	86	60	15	622	5.9	--

*Not Available

CAMPYLOBACTERIOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



CAMPYLOBACTERIOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

SALMONELLOSIS

In 1982, 2,637 cases of salmonellosis were reported to the state, which represents a 20.2% increase from the total number of cases reported in 1981 (2,194). The case rate in 1982 (25.0 per 100,000) was 16.3% higher than the rate in 1981 (21.5 per 100,000).

The peak occurrence of cases was August through October.

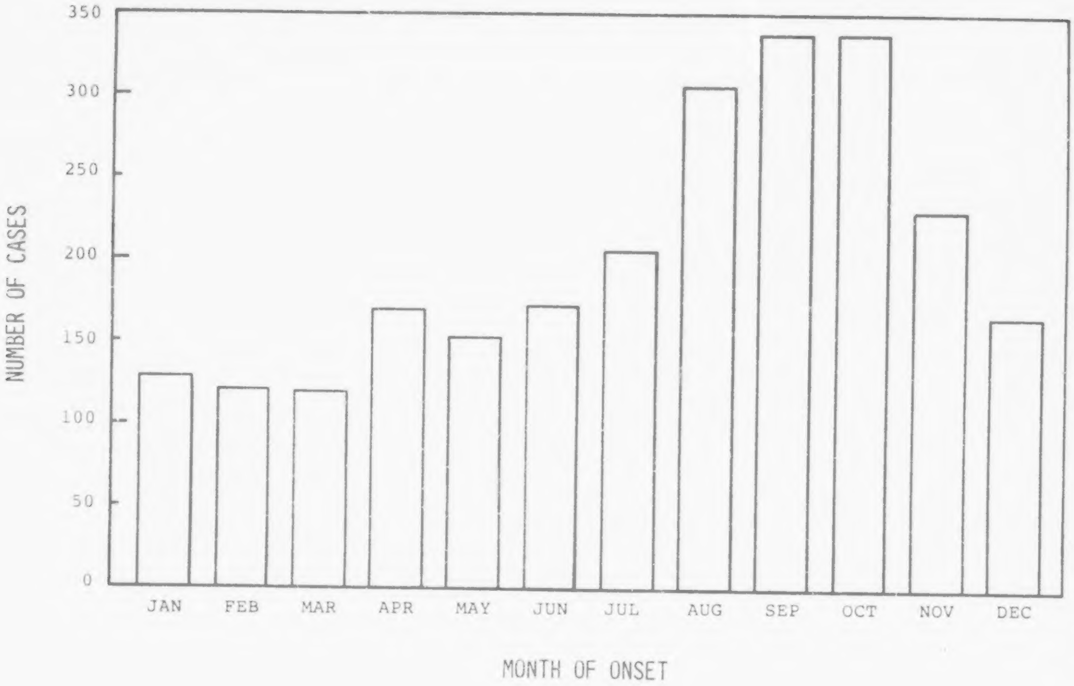
The highest age-specific incidence rate per 100,000 population was in the less than 1-year-old age group (457.4 per 100,000) followed by those aged 1-4 (195.2 per 100,000). The case rate then decreased rapidly with increasing age.

SALMONELLOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

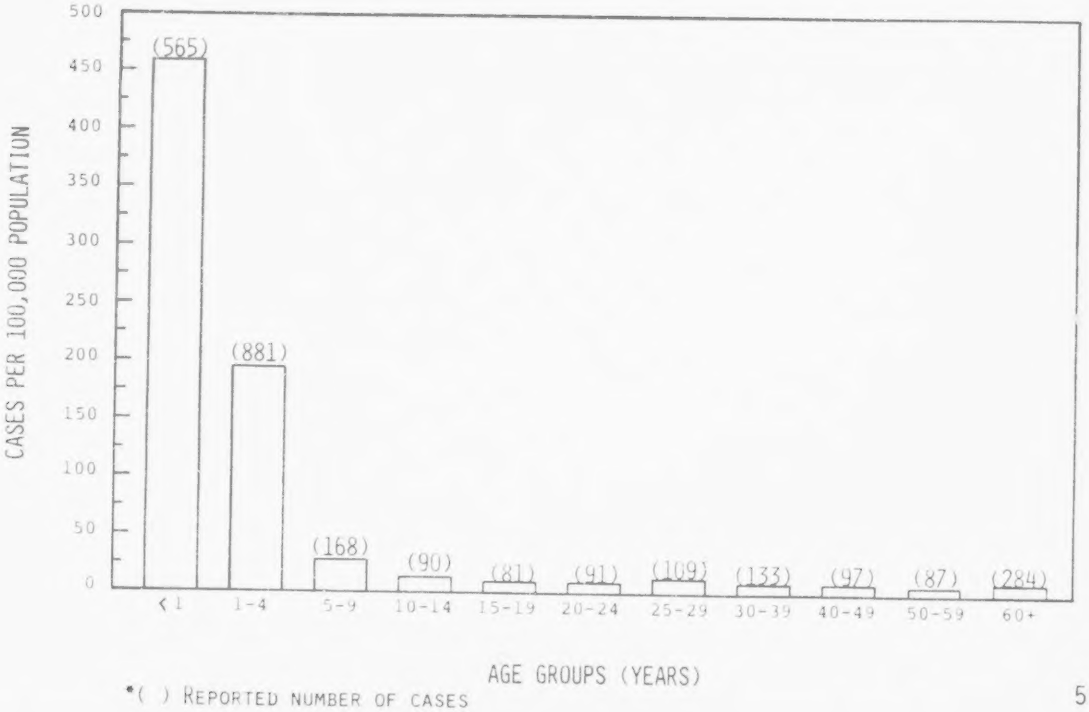
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua	3	2	1	3	1	3	3	13	10	4				43	27.2	17.9
Baker								1		1				2	12.2	13.4
Bay	1	3	3	1	2	6	3	10	11	22	5	6	1	74	71.7	40.7
Bradford										3		1		4	19.8	3.5
Brevard	2	5	3	4	1	5	9	38	17	16	14	6	18	138	47.2	25.4
Broward	10	14	12	9	10	13	16	16	14	13	14	14	6	161	14.9	12.2
Calhoun	1												2	3	31.6	18.0
Charlotte	2	1		3	2	6	2	5	5	2	5	3	9	45	68.8	44.4
Citrus				2			3	1	9	1	1	1	1	19	29.3	12.0
Clay					4	1	2	1		1				9	12.3	18.9
Collier	4	3	2	2		3	8	3	5	5	2	1		38	39.0	29.0
Columbia	1	1						1	1	1		1	4	10	27.5	27.2
Dade	22	15	11	14	15	16	15	19	24	17	21	13	36	238	13.0	16.5
DeSoto	1	3	2	1	1	2	1	2	1	1	3	5	2	25	126.3	39.8
Dixie								1						1	11.6	21.0
Duval	3	6	4	9	14	23	13	10	10	22	12	8	4	138	23.7	31.8
Escambia	2	5	3	3	1	3	1	4	3	8	3	4	1	41	16.6	15.8
Flagler							2	1						3	21.9	21.4
Franklin											1			1	12.8	4.2
Gadsden	1			1			4		2	1	2			11	25.8	23.9
Gilchrist															0.0	27.3
Glades					1				2					3	47.3	0.0
Gulf															0.0	12.3
Hamilton															0.0	18.9
Hardee						4				1			1	6	29.2	1.7
Hendry								1	1	2	3			7	34.2	35.6
Hernando	1			1					1	1	1		2	7	12.9	13.5
Highlands							1	2	2	1	3	2		11	20.9	4.8
Hillsborough	8	8	9	4	11	7	17	10	21	15	15	3	1	129	19.0	19.8
Holmes															0.0	0.0
Indian River			2				2	1					2	7	10.4	6.6
Jackson		1	1		11		2		1					16	39.7	5.9
Jefferson															0.0	0.0
Lafayette										1				1	25.1	16.0
Lake							4	1	4	1	3			13	11.6	10.3
Lee		2	5	5	4	3	2	2	6	6	6		21	62	27.3	26.6
Leon	1		1	2	3	4	4	5	16	8	12	4	1	61	39.0	45.3
Levy					1	1								2	9.3	18.8
Liberty															0.0	7.7
Madison													1	1	6.5	4.5
Manatee	1	2	2	1	2	6	4	1	2	3	1	1	1	27	16.7	23.0
Marion	2	1	1	1				1	2	2	2	1	10	23	16.7	9.4
Martin	4	5	2	31	5	1	1	6	8	6	4	3	19	95	131.9	15.2
Monroe				1	1			1						3	4.6	12.5
Nassau									1	1	2			4	11.5	26.2
Okaloosa	1			5	2	1	2	8	4	6	2	6		37	31.7	17.8
Okeechobee	4	1	2		1		2	2	1	4		1	1	19	85.5	58.2
Orange	10	15	8	9	8	9	13	37	29	28	13	16	10	205	41.4	25.8
Osceola	3	3	2	2	2	2	1	2	2	4	1	2	5	31	49.3	34.1
Palm Beach	13	7	16	7	8	12	14	18	22	21	15	13	2	168	25.3	21.2
Pasco	2	1			1	4	2	9	9	7	9	5		49	22.4	11.3
Pinellas	8	4	7	14	14	7	16	15	20	21	22	4		152	20.0	22.9
Polk	4	5	3	14	11	4	14	20	27	34	16	18	12	182	53.2	31.2
Putnam						7	1	4	5	4	1	2		24	46.1	33.8
St. Johns			5					2	3	2	1			13	22.9	10.5
St. Lucie			1	6			4	3	4	4	3			25	24.0	11.6
Santa Rosa									3	2		1		6	10.2	9.7
Sarasota	4	5	3	6	2	7	6	5	5	3	2	6		54	24.7	21.3
Seminole		1	6	4	2	8	4	1	8	14	2	3	6	69	35.3	32.1
Sumter	1				1									2	7.8	4.2
Suwanee															0.0	4.5
Taylor				1							1	1		3	17.3	4.1
Union															0.0	12.7
Volusia	7	2	3	1	10	3	5	11	17	16	6	10	11	102	36.4	28.1
Wakulla				2		1					1		1	5	45.4	50.5
Walton	1			1	1		2	1		1			1	8	36.0	6.4
Washington										1				1	6.6	2.2
STATE TOTAL	128	121	120	170	153	172	205	305	338	338	230	165	192	2637	25.0	20.7

*1979-1981 Average rate

SALMONELLOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



SALMONELLOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

SHIGELLOSIS

In 1982, 585 cases of shigellosis were reported to the state, which represents a 25.4% decrease from the total number of cases reported in 1981 (784). The case rate in 1982 (5.5 per 100,000) declined 28.6% from the rate in 1981 (7.7 per 100,000).

The peak month of occurrence in 1982 was March (103 cases) as compared with June (120 cases) in 1981.

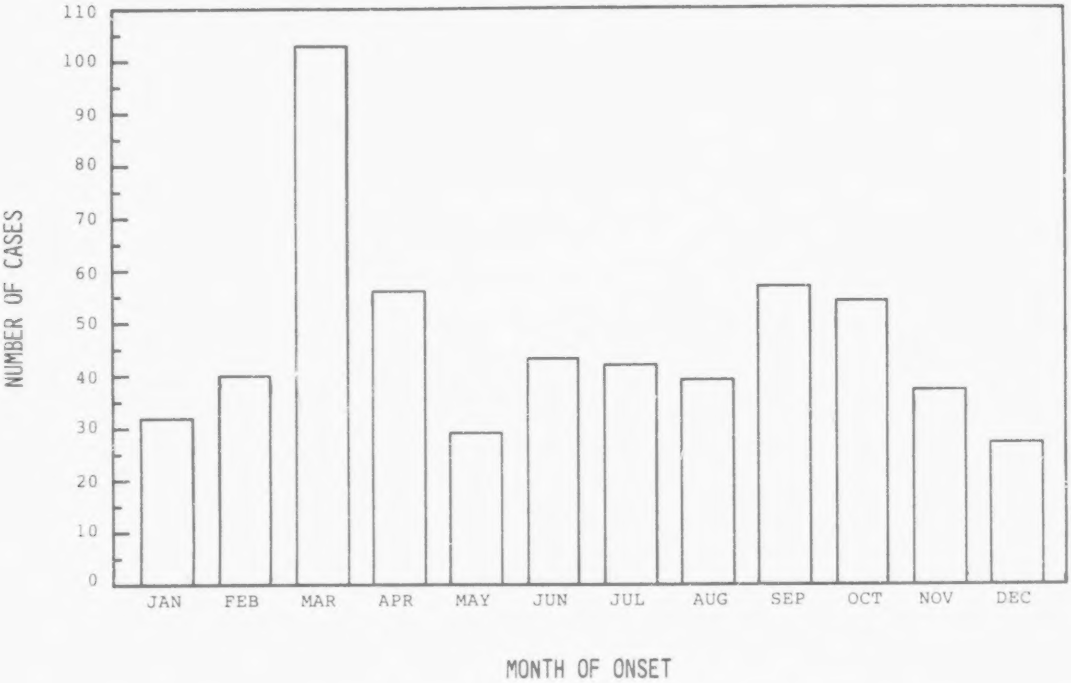
Children aged 1-4 had the highest reported rate of illness (52.3 per 100,000), which represents a 21.9% decrease from 1981 (67.0 per 100,000). The next highest rate was observed in the less than 1-year-olds (15.4 per 100,000) followed by the 5-9-year-old age group (11.4 per 100,000). Case rates were uniformly low for the remaining age groups.

SHIGELLOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1982

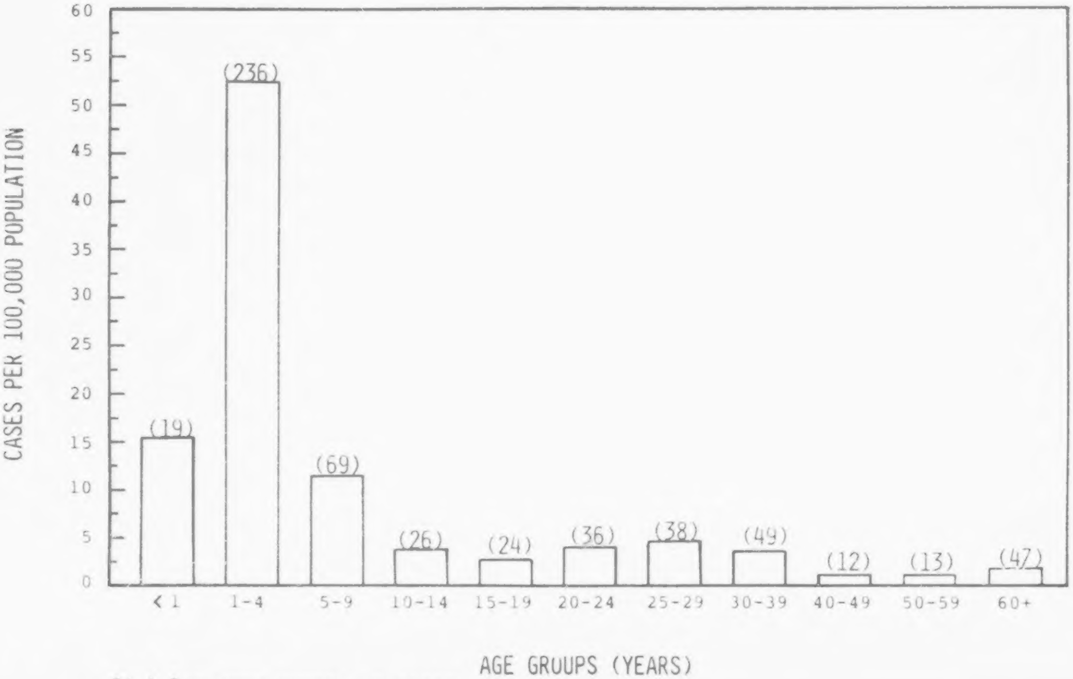
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua				1				1			1			3	1.9	7.8
Baker															0.0	0.0
Bay		1												1	1.0	0.3
Bradford															0.0	1.7
Brevard		1						1	1					3	1.0	4.7
Broward	4	4	2	6	4	5	5	1	3	2			3	39	3.6	4.1
Calhoun													1	1	10.5	18.0
Charlotte							1							1	1.5	12.9
Citrus									1		2			3	4.6	5.7
Clay						1					1			2	2.7	5.6
Collier	1	1	5	3		1	2							13	13.3	15.3
Columbia															0.0	5.8
Dade	4	7	7	15	4	11	3	1	11	5	3	7	14	92	5.0	12.3
DeSoto	1				1									2	10.1	3.5
Dixie															0.0	0.0
Duval	2	4	25	14	6	8	6	7	7	10	11	6		106	18.2	7.7
Escambia	1		1				1	2	4					9	3.7	3.0
Flagler															0.0	3.1
Franklin															0.0	0.0
Gadsden	2			1		1		1	2	1		2		10	23.4	25.5
Gilchrist															0.0	5.5
Glades															0.0	5.5
Gulf															0.0	0.0
Hamilton															0.0	3.8
Hardee						1	2							3	14.6	1.7
Hendry							1							1	4.9	39.2
Hernando															0.0	1.5
Highlands															0.0	2.0
Hillsborough	2	1	2	8	2	1	6	8	1	2	1	1	1	36	5.3	11.6
Holmes															0.0	0.0
Indian River				1										1	1.5	8.3
Jackson	2													2	5.0	73.1
Jefferson															0.0	0.0
Lafayette															0.0	8.0
Lake		1												1	0.9	1.9
Lee							1	1					1	3	1.3	7.6
Leon	2	1	1						2	7	6			19	12.1	15.4
Levy															0.0	13.7
Liberty															0.0	23.2
Madison															0.0	2.2
Manatee	4	1			1	1				1			1	9	5.6	7.8
Marion		2							7	1	1	2	1	14	10.2	17.1
Martin		2	1					1	3				2	9	12.5	8.9
Monroe										1				1	1.5	7.6
Nassau											1			1	2.9	4.0
Okaloosa			1					1						2	1.7	0.0
Okeechobee		1												1	4.5	1.6
Orange		6	3	2	4	1	1	4	3	6		3		33	6.7	8.9
Osceola			1						1		1		1	4	6.4	34.8
Palm Beach	4	2	2		3	2	6	6	6	11	2	3		47	7.1	8.6
Pasco						4	3							6	2.7	6.0
Pinellas	3		2		1	1	1	4	2	3	2			19	2.5	5.3
Polk		1		1		4	1		1	4	5			17	5.0	20.2
Putnam															0.0	14.2
St. Johns															0.0	5.2
St. Lucie															0.0	6.7
Santa Rosa															0.0	3.6
Sarasota			1	3	1	1			1					7	3.2	2.0
Seminole		2	49	1	1		3							56	28.6	6.2
Sumter					1									1	3.9	0.0
Suwanee															0.0	4.5
Taylor															0.0	4.1
Union															0.0	6.4
Volusia		2							1			3	1	7	2.5	3.2
Wakulla															0.0	12.6
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	32	40	103	56	29	43	42	39	57	54	37	27	26	585	5.5	8.6

*1979-1981 Average rate

SHIGELLOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1982



SHIGELLOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1982



*( ) REPORTED NUMBER OF CASES

SECTION 3:

Analysis of Animal Rabies & Zoonotic Diseases

ANIMAL RABIES

Of the 4,515 animal specimens examined in 1982, 80 (1.8%) had positive flourescent rabies antibody (FRA) tests (table). This represents a 31.0% decrease from the total number of cases reported in 1981.

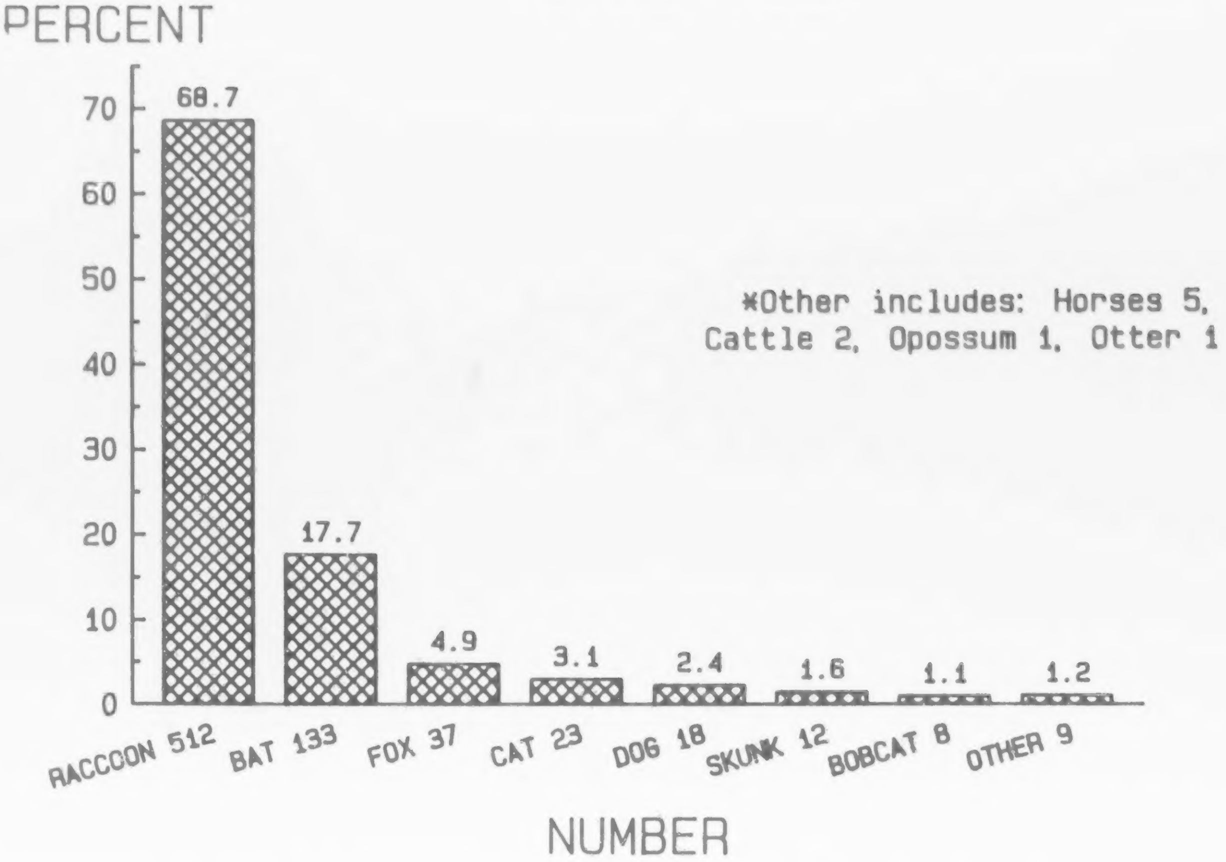
Rabies positive animals were identified in 39 counties compared to 35 counties in 1981 (table). During the last 10 years (1973-1982) rabies has been identified in all of Florida's counties with the exception of Glades, Liberty, Monroe, Okeechobee, and Pinellas. Although cases have occurred throughout the state, the greatest preponderance has been identified in the central and north central portion of the state.

In 1982, 51 (63.8%) of the total number of cases occurred in raccoons and 7.8% of all raccoons examined had positive FRA tests.

ANIMAL RABIES • Laboratory confirmed cases by species, Florida, 1973 – 1982

ANIMAL SPECIES	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
BAT	18	17	9	10	8	16	38	2	5	10
BOBCAT	0	0	2	0	2	1	1	0	0	2
CAT	1	7	3	5	1	2	3	0	0	1
CATTLE	0	0	1	0	0	0	0	0	1	0
DOG	2	1	4	3	1	1	1	2	0	3
EXOTIC ANIMALS	0	0	0	0	0	0	0	0	0	0
FOX	6	7	3	5	1	3	4	0	5	3
HORSE	0	1	1	1	0	0	0	2	0	0
LAGOMORPHS (includes rabbit, hare & pika)	0	0	0	0	0	0	0	0	0	0
OPOSSUM	0	1	0	0	0	0	0	0	0	0
OTTER	0	0	0	0	0	1	0	0	0	0
RACCOON	51	79	84	54	33	69	51	30	39	22
RODENTS (includes mice, hamsters, guinea pigs, gerbils, squirrels, rats)	0	0	0	0	0	0	0	0	0	0
SKUNK	2	3	3	1	1	0	0	1	0	1
STATE TOTAL	80	116	110	79	47	93	98	37	50	42

ANIMAL RABIES
FLORIDA 1973-82
TOTAL 752



*Other includes: Horses 5, Cattle 2, Opossum 1, Otter 1

RABIES - LABORATORY CONFIRMED CASES AND SPECIMENS EXAMINED, FLORIDA, 1982

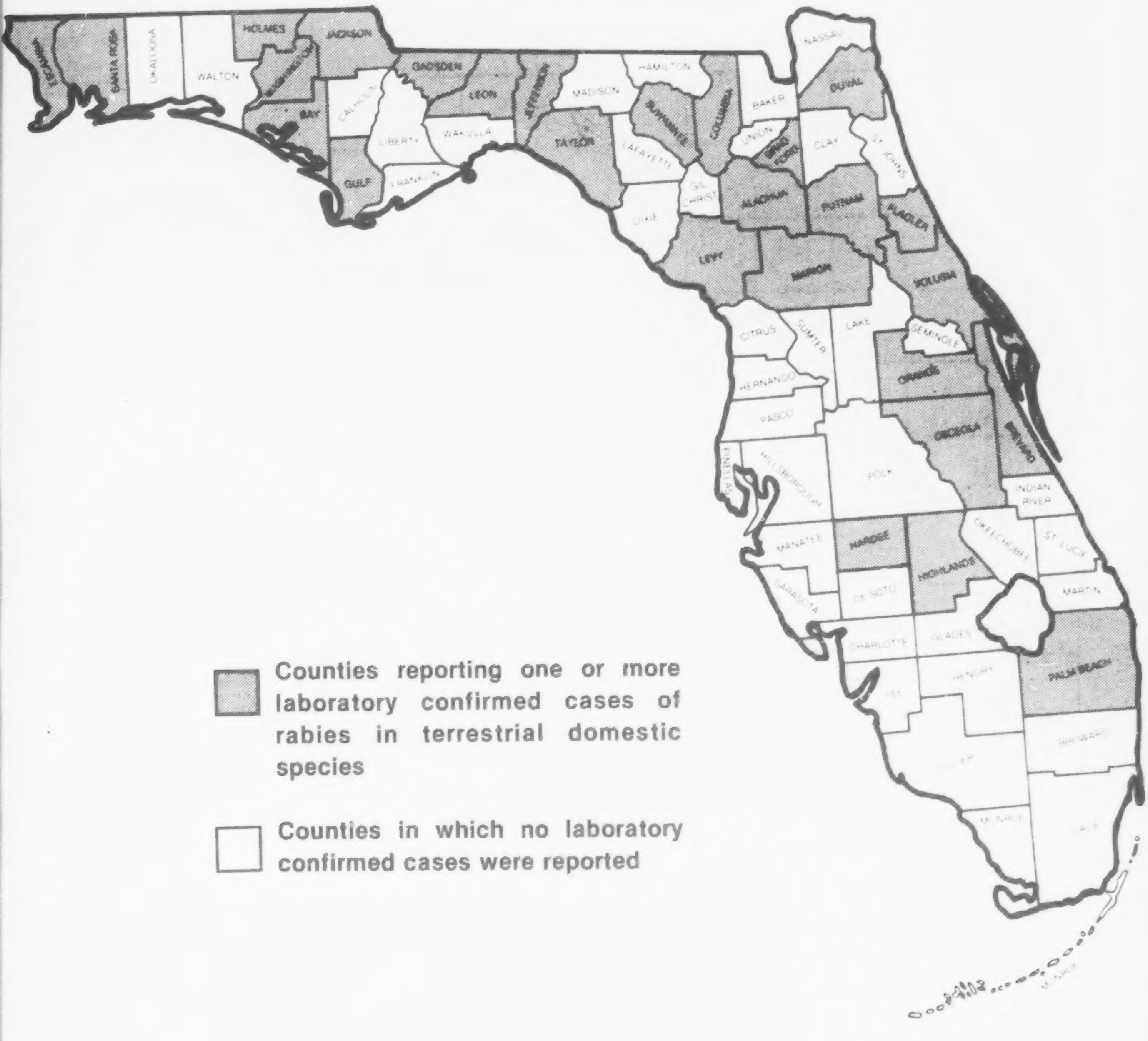
Species	Number Examined	Number and Percent( ) Positive	Percent of All Species Examined (N=4,515)	Percent of All Positive (N=80)
Dog	1,100	2 (0.2)	24.4	2.5
Cats	1,345	1 (0.1)	29.8	1.3
	2,445	3 (0.1)	54.2	3.8
Raccoons	655	51 (7.8)	14.5	63.8
Bats	282	18 (6.4)	6.2	22.5
Skunks	91	2 (2.2)	2.0	2.5
	1,028	71 (6.9)	22.7	88.8
Fox	103	6 (5.8)	2.3	7.5
Bobcat	6	0 (0.0)	0.1	0.0
Other Wild	271	0 (0.0)	6.0	0.0
	380	6 (1.6)	8.4	7.5
Cattle	17	0 (0.0)	0.4	0.0
Horse	31	0 (0.0)	0.7	0.0
Other Domestic	13	0 (0.0)	0.3	0.0
	61	0 (0.0)	1.4	0.0
Rodents & Lagomorphs	598	0 (0.0)	13.2	0.0
Humans	3	0 (0.0)	0.1	0.0
TOTAL ALL SPECIES	4,515	80 (1.8)	100.0	100.1

ANIMAL RABIES - Reported laboratory confirmed cases by county, Florida, 1973-1982

County	1982	1981	1980	1979*	1978*	1977*	1976	1975	1974	1973
Alachua	2	4	9	5	2	3	4		5	4
Baker			1					1		
Bay	1	2		3	1	2	3			2
Bradford	1		2							
Brevard	1			2		2	8	1	1	3
Broward		1				1				
Calhoun		1	2							
Charlotte				1		1	1			
Citrus	1					3	1	1	1	2
Clay	1	1				1	1	1		
Collier		1		2	2	3			3	1
Columbia	3	4	4	2	1	3	3			
Dade	1		1		1	2	1		8	1
DeSoto	1			1		1	1			
Dixie		1							1	
Duval	4	6	9	4	2	3	7	1	2	2
Escambia	2	1	1						1	
Flagler		3	1	1				3		
Franklin	1									
Gadsden	1	3	1	4	1		3			
Gilchrist			1				1			
Glades										
Gulf					1			1		
Hamilton	1	2	1	1	1	3	2			
Hardee		2	2	3		2				
Hendry								1		1
Hernando	2								1	
Highlands		1	2						1	
Hillsborough	1	3	2	5	6	5	11	3	2	5
Holmes		5	3	2			3	2	2	1
Indian River							1			
Jackson	2	7	1	3	1	2	3	1	1	1
Jefferson		2	4	2			1	1		1
Lafayette			4	1						
Lake	3	3	3	2				1		1
Lee	2	7	2	3				1		
Leon	12		13	5	3	2	3	3		2
Levy	1			1	1	1			1	5
Liberty										
Madison	2	3	3		2	1	3		1	
Manatee		2	1	2	1			2	3	
Marion	1	7	4	5		9	1	1	2	
Martin										1
Monroe										
Nassau	4		1	1		2	5	2	1	1
Okaloosa	1	1	2	2	1	2			1	
Okeechobee										
Orange	3	1	1	1	1	3	9	2	1	
Osceola	2				2	1	1			
Palm Beach	2	1	1							2
Pasco	1									
Pinellas										
Polk	3	10	2		1	2	1		3	
Putnam	2	3	2	1		2	1	1		
St Johns	2	2			5	3	1	2		1
St. Lucie	2									
Santa Rosa	2						1			
Sarasota			5	2	5	21	4	1	3	4
Seminole	1	1	1	1	1	1	5		1	
Sumter						1				
Suwannee		14	3	2		2			2	
Taylor	1	1	1		1					
Union									2	
Volusia	3	7	7	3		2	6	1		1
Wakulia			1	2	1					
Walton	2	3	3	2	1	1	2	2		
Washington	2		3	2	2			1		
STATE TOTAL	80	116	110	79	47	93	98	37	50	42

*Revised

ANIMAL RABIES, FLORIDA, 1973-1982
Terrestrial, Domestic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COLUMBIA
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DIXIE
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DUVAL
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ALACHUA
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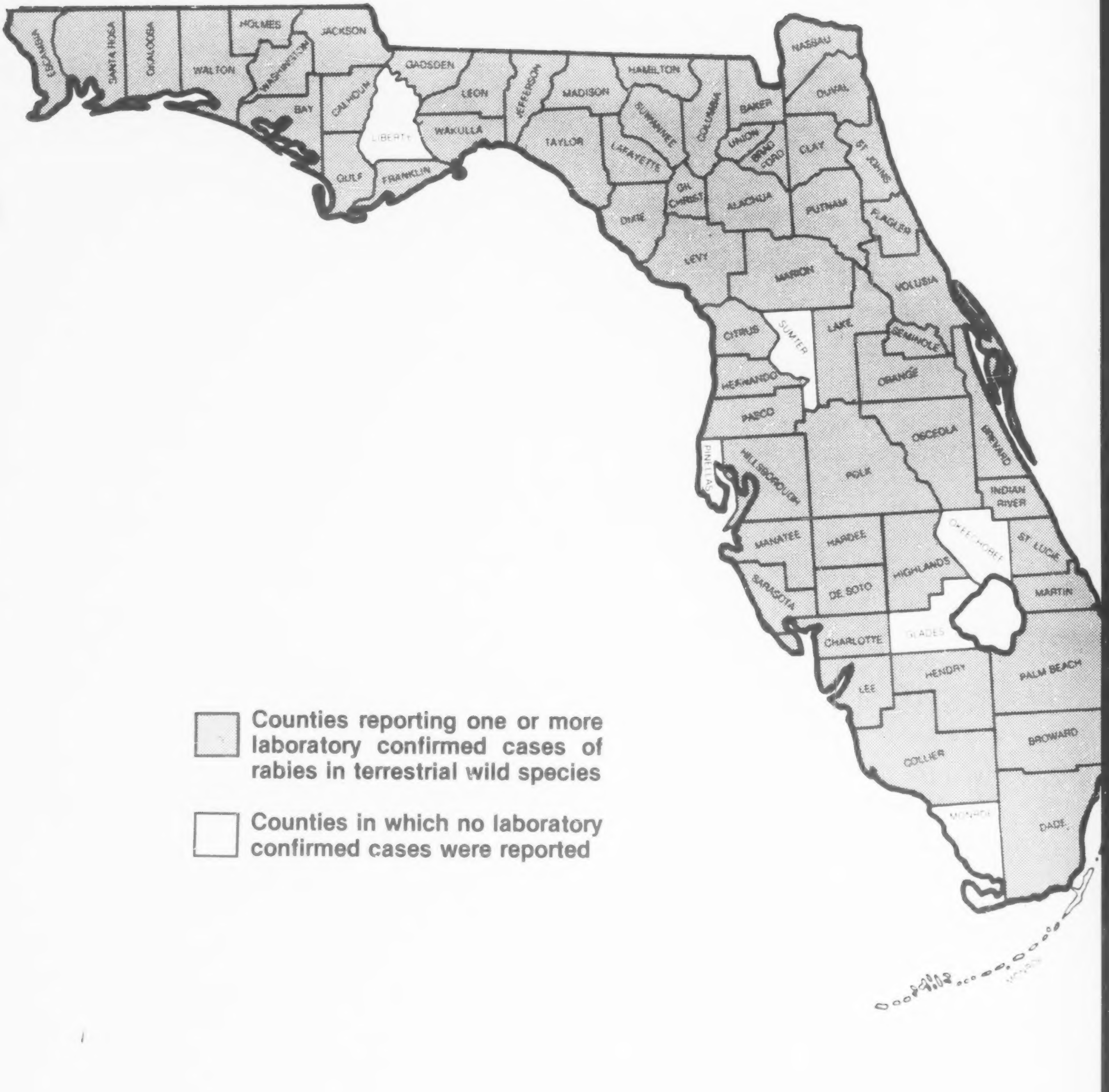
HERNANDO
ORANGE
PASCO
OSCEOLA
BREVARD
PINELLAS
HILLSBOROUGH
POLK
INDIAN RIVER
MANATEE
HARDEE
HIGHLANDS
OKEECHOBEE
ST LUCIE
SARASOTA
DE SOTO
MARTIN
CHARLOTTE
GLADES
PALM BEACH
HENDRY
LEE
COLLIER
BROWARD
MONROE
DADE
MONROE

▨ Counties reporting one or more laboratory confirmed cases of rabies in terrestrial domestic species

☐ Counties in which no laboratory confirmed cases were reported

ANIMAL RABIES, FLORIDA, 1973-1982
Terrestrial, Wild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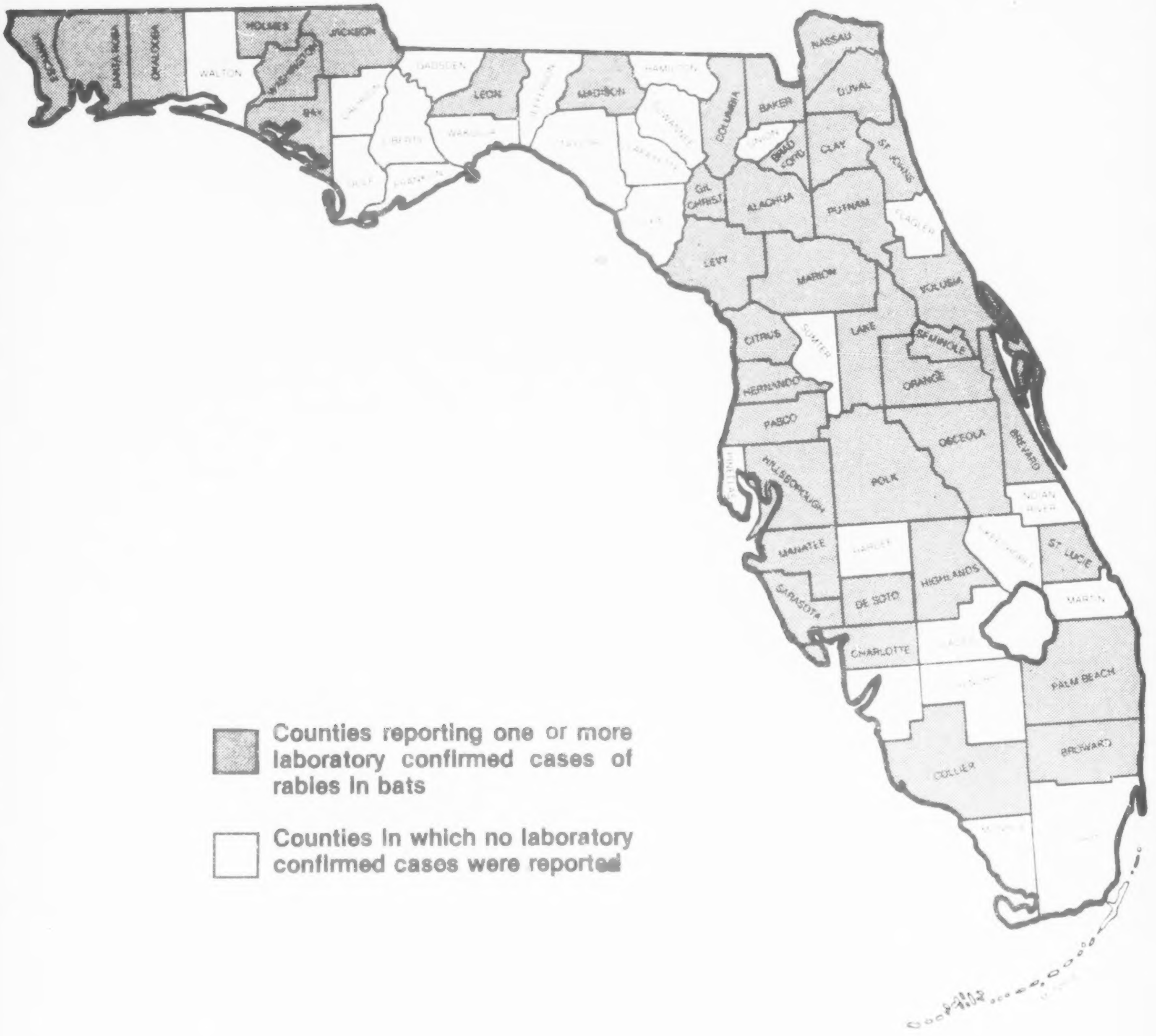
GLADES
PALM BEACH
HENDRY
LEE
BROWARD
COLLIER
MONROE
DADE
MONROE

▨ Counties reporting one or more laboratory confirmed cases of rabies in terrestrial wild species

☐ Counties in which no laboratory confirmed cases were reported

ANIMAL RABIES, FLORIDA, 1973-1982
Bat



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UNION
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SARASOTA
DE SOTO
MARTIN
CHARLOTTE
GLADES
LEE
HENDRY
PALM BEACH
COLLIER
BROWARD
MONROE
DADE

▨ Counties reporting one or more laboratory confirmed cases of rabies in bats

☐ Counties in which no laboratory confirmed cases were reported

ANIMAL RABIES - REPORTED LABORATORY-CONFIRMED CASES, BY COUNTY, BY SPECIES, BY MONTH OF REPORT, FLORIDA, 1982

County	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alachua									1 Rac	1 Rac			2
Baker													
Bay				1 Rac									1
Bradford						1 Bat							1
Brevard					1 Bat								1
Broward													
Calhoun													
Charlotte													
Citrus							1 Skunk						1
Clay					1 Rac								1
Collier													
Columbia				1 Dog 1 Rac				1 Bat					3
Dade	1 Rac												1
DeSoto				1 Rac									1
Dixie													
Duval								1 Bat 2 Rac	1 Rac				4
Escambia				1 Bat				1 Bat					2
Flagler													
Franklin									1 Rac				1
Gadsden								1 Rac					1
Gilchrist													
Glades													
Gulf													
Hamilton									1 Rac				1
Hardee													
Hendry													
Hernando				1 Bat						1 Rac			2
Highlands													
Hillsborough											1 Rac		1
Holmes													
Indian River													
Jackson									2 Rac				2
Jefferson													
Lafayette													
Lake				1 Fox	1 Fox	1 Rac							3
Lee	1 Rac	1 Rac											2
Leon			1 Bat 1 Rac	2 Bat 2 Rac	1 Rac		1 Rac	1 Fox 1 Rac		1 Rac	1 Rac		12
Levy				1 Fox									1
Liberty													
Madison											1 Rac	1 Rac	2
Manatee													
Marion							1 Bat						1
Martin													
Monroe													
Nassau		1 Bat							2 Rac	1 Rac			4
Okaloosa						1 Rac							1
Okeechobee													
Orange						1 Rac		2 Bat					3
Osceola							1 Fox	1 Bat					2
Palm Beach									1 Dog 1 Rac				2
Pasco											1 Bat		1
Pinellas													
Polk					1 Rac			1 Rac			1 Rac		3
Putnam									2 Rac				2
St. Johns									1 Rac			1 Rac	2
St. Lucie					1 Bat					1 Rac			2
Santa Rosa	1 Cat	1 Rac											2
Sarasota													
Seminole							1 Bat						1
Sumter													
Suwannee													
Taylor							1 Fox						1
Union													
Volusia			1 Rac				2 Rac						3
Wakulla													
Walton									2 Rac				2
Washington		1 Skunk					1 Rac						2
TOTAL	3	4	3	12	6	4	9	12	15	5	5	2	80

ZOONOTIC DISEASES

Brucellosis

Ten cases of brucellosis were reported in 1982 compared with a mean of 11 cases for the previous 5 years (1977-1981). Cases were reported throughout the year with over half (6) diagnosed during March and August. Two cases occurred in Hamilton County with one case each in Polk, Broward, Levy, Alachua, Lee, Washington, Brevard and Okeechobee counties. All were males, with 6 in the 20-29 age group, 2 in the 30-39 age group, 1 in the 40-49 age group, and 1 over 60 years of age. Of the 9 cases whose exposures were studied, 3 had been employed at the same slaughter house, 2 had hunted wild hogs, 2 were ranchers, 1 assisted in vaccinating cattle and 1 was a sewer cleaner.

Leptospirosis

Eight cases of leptospirosis were reported in 1982 compared with a mean of 13 cases for the previous 5 years (1977-1981). Cases were reported between June and November. Cases occurred in Manatee (2), Hillsborough, Sarasota, Palm Beach, Polk, Dade, and Nassau counties. All cases were white and seven were male. Ages ranged from 5 to 40. Two were less than 19 years of age, three 20-29, two 30-39, and one 40-49.

Psittacosis

Only one case of psittacosis was reported in 1982 compared to a mean of 3 cases for the previous 5 years (1977-1981). This was a 21 year old female student from Alachua County who worked part-time at a pet shop that handled psittacine birds.

ROCKY MOUNTAIN SPOTTED FEVER

Five cases of Rocky Mountain Spotted Fever were reported during 1982 as compared with a mean of 10 cases reported during the previous five years (1977-1981). All occurred between June and October, either in East Central (Volusia and Martin counties) or South Florida (Dade and Collier counties). All cases were white, four (80%) were male, three (60%) were children less than 15 years of age, and two cases (40%) were in adults 50-59 years of age and over 60 years of age. Two of these were brothers who had been pulling ticks from a dog that had been recently acquired from Tennessee.

ZOONOTIC DISEASES - Reported cases by disease, by county, Florida, 1982

DISEASES

	BRUCELLOSIS	LEPTOSPIROSIS	PSITTACOSIS	ROCKY MOUNTAIN SPOTTED FEVER
Alachua	1		1	
Baker				
Bay				
Bradford				
Brevard	1			
Broward	1			
Calhoun				
Charlotte				
Citrus				
Clay				
Collier				1
Columbia				
Dade		1		1
DeSoto				
Dixie				
Duval				
Escambia				
Flagler				
Franklin				
Gadsden				
Gilchrist				
Glades				
Gulf				
Hamilton	2			
Hardee				
Hendry				
Hernando				
Highlands				
Hillsborough		1		
Holmes				
Indian River				
Jackson				
Jefferson				
Lafayette				
Lake				
Lee	1			
Leon				
Levy	1			
Liberty				
Madison				
Manatee		2		
Marion				
Martin				1
Monroe				
Nassau		1		
Okaloosa				
Okeechobee	1			
Orange				
Osceola				
Palm Beach		1		
Pasco				
Pinellas				
Polk	1	1		
Putnam				
St. Johns				
St. Lucie				
Santa Rosa				
Sarasota		1		
Seminole				
Sumter				
Suwannee				
Taylor				
Union				
Volusia				2
Wakulla				
Walton				
Washington	1			
STATE TOTAL	10	8	1	5

SECTION 4:

SUMMARY OF ACQUIRED IMMUNE DEFICIENCY SYNDROME

Prepared by the AIDS Program
Joyner Sims, Ph.D., Program Administrator

AIDS

Since June 1981, the Centers for Disease Control has learned of an increased occurrence of Kaposi's sarcoma, Pneumocystis carinii pneumonia, and other serious opportunistic infections concentrated primarily among homosexual males in the United States. This disease has become known as acquired immune deficiency syndrome (AIDS) and is characterized by an opportunistic infection or malignancy that is at least moderately indicative of an underlying cellular immunodeficiency. However, these infections must appear in the absence of known causes of reduced cellular immunity or other conditions known to predispose patients to these particular infections or diseases.

Incidence

The Florida Department of Health and Rehabilitative Services began receiving formal reports of AIDS cases in July 1981; however, a few cases were diagnosed in 1980 as having an opportunistic infection associated with AIDS. Annual totals to date are as follows: 1980 (4), 1981 (14), and 1982 (77).

Age, Race, Sex, and Patient Group

The distribution of reported AIDS cases in Florida by age showed that for those diagnosed from 1980-1982 the greatest number of cases (N=47)(49.5%) occurred in the 25-34 year-old age group, followed by those 35-44 years old (N=20)(21.1%)(Figure 1). Six cases of pediatric AIDS were diagnosed during this time period and all were 1 year of age or younger.

From 1980-1982, 52 (54.7%) cases were diagnosed among blacks, 36 (37.9%) cases in whites, and 7 (7.4%) in hispanics (Table 1). Of the cases occurring among blacks, 40 (76.9%) were Haitian.

Eighty-two (86.3%) cases were diagnosed in males and 13 (13.7%) in females (Table 2). Homosexual or bisexual men comprised the largest proportion of male cases (57.3%), followed by the non-U.S. born with no other identified risk factor (31.7%) although most of these non-U.S. born males were Haitian. Ten (76.9%) of the female cases, including the three infants, were Haitian. One female pediatric case was U.S. born and had no apparent risk.

Disease Group

From 1980-1982, 5 (5.3%) AIDS cases were reported to have both Kaposi's sarcoma (KS) and *Pneumocystis carinii* pneumonia (PCP)(Table 3). The highest proportion of cases (43.2%) were diagnosed with PCP without KS, followed by those with a reported opportunistic infection without KS or PCP (32.6%).

Geographic Distribution

Fifty-seven (60.0%) AIDS cases were reported from Dade County, followed by Broward and Palm Beach counties, which reported 8 (8.4%) each. A total of fifteen counties throughout the state reported AIDS cases; however, the majority (77.9%) of the cases were residents of South Florida (District IX, X, or XI).

FIGURE 1

AIDS - Reported cases by age group, Florida, 1980-1982

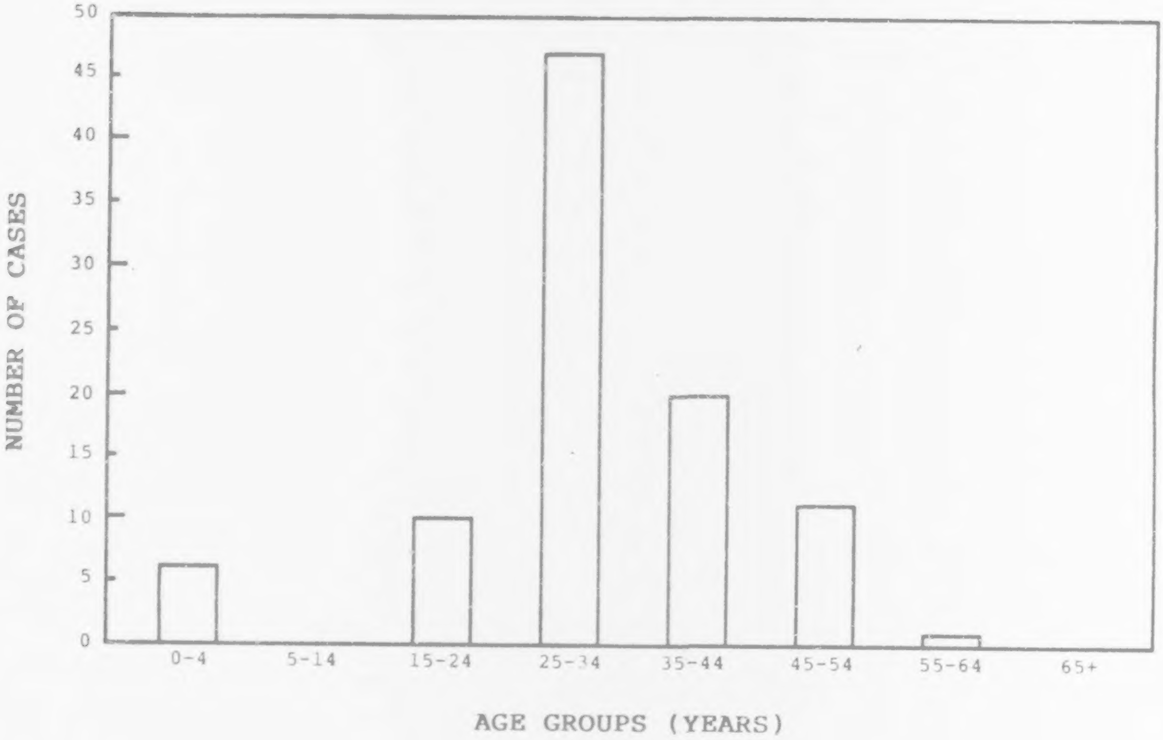


TABLE 1

AIDS - Reported cases by race, Florida, 1980-1982

Race	Number	(%)
Black, non-hispanic	52	(54.7)
White, non-hispanic	36	(37.9)
Hispanic	7	(7.4)
TOTAL	95	(100.0)

TABLE 2

AIDS - Reported cases by sex and patient group, Florida, 1980-1982

Patient Group	Males (%)	Females (%)
Homosexual or Bisexual Males	47 (57.3)	0 (0.0)
Intravenous (IV) Drug User	4 (4.9)	0 (0.0)
Hemophilia / Coagulation Disorder	1 (1.2)	0 (0.0)
Heterosexual Contact*	0 (0.0)	1 (7.7)
Transfusions with Blood / Blood Products	0 (0.0)	1 (7.7)
None of the Above / Other		
U.S. Born	2 (2.4)	1 (7.7)
Non-U.S. Born	26 (31.7)	7 (53.9)
Parent with AIDS / or at increased risk for AIDS **	2 (2.4)	3 (23.1)
TOTAL	82 (99.9)	13 (100.1)

*With a person with AIDS or at risk for AIDS.

**Epidemiologic data suggest transmission from infected mother to child, before, at, or shortly after the time of birth.

TABLE 3

AIDS - Reported cases by disease group, Florida, 1980-1982

Disease Group + *	Number	(%)
Both KS and PCP	5	(5.3)
KS without PCP	18	(19.0)
PCP without KS	41	(43.2)
OI without KS or PCP	31	(32.6)
TOTAL	95	(100.0)

+KS=Kaposi's sarcoma; PCP=Pneumocystis carinii pneumonia; OI=Other opportunistic infections.

*Groups listed are ordered hierarchically; cases with multiple characteristics are tabulated only in the group listed first.

TABLE 4

AIDS - Reported cases by place of residence at onset of illness, Florida, 1980-1982

DISTRICT/County	**Number**	**(%)**
II		
Leon	1	(1.1)
Madison	1	(1.1)
III		
Marion	1	(1.1)
V		
Pinellas	5	(5.3)
VI		
Hillsborough	3	(3.2)
VII		
Orange	1	(1.1)
VIII		
Collier	1	(1.1)
Hendry	1	(1.1)
Polk	1	(1.1)
Sarasota	2	(2.1)
IX		
Palm Beach	8	(8.4)
St. Lucie	1	(1.1)
X		
Broward	8	(8.4)
XI		
Dade	57	(60.0)
Monroe	3	(3.2)
Unknown	1	(1.1)
TOTAL	95	(100.5)

SECTION 5:

SUMMARY OF SEXUALLY TRANSMITTED DISEASES

Prepared by Sexually Transmitted Disease Program
Jack E. Wroten, Program Supervisor

SYPHILIS

Morbidity Trends

In 1982, 7,936 reports of syphilis represented a 1,965 case increase (32.9%) over 5,971 reported in 1981. The 1980 total, 4,384, shows a rise of 3,552 cases (81.0%) when compared to 1982. Since 1980, increases have occurred for infectious, early latent, late and late latent, and congenital stages.

Despite a rise in population of 742,000 between 1980 and 1982, the rate per 100,000 for all stages of syphilis jumped from 44.7 to 75.2 (see chart below).

Year	Population	Total Syphilis		Primary & Secondary		Early Latent		Late & Late Latent		Congenital	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
1982	10,555,498	7936	75.2	4149	39.3	1804	17.8	1895	18.0	8	0.08
1981	10,108,564	5971	59.1	3036	30.3	1376	13.6	1552	15.4	7	0.07
1980	9,813,706	4384	44.7	2257	23.0	1066	10.9	1058	10.8	3	0.03

The majority (67.3%) of the 4,149 cases of primary and secondary syphilis were reported in persons 15 to 29 years old. Those 15 to 19 accounted for 14.7% (613 cases); those 20 to 24, for 29.1% (1,210 cases); and those 25 to 29, for 23.4% (973 cases).

Closer analysis of the cases reported in 1982 shows that 6,033 (76.0%) were early and that 4,149 (68.8%) of these were infectious. Only 790 (19.0%) of the infectious cases and 241 (12.8%) of the early latent cases were reported by private health care providers. Males accounted for 3,901 (64.7%) of the early reports for a male to female ratio of 1:83:1. White males accounted for 1,099 (26.5%) of the infectious cases; only 170 white females were reported with infectious disease.

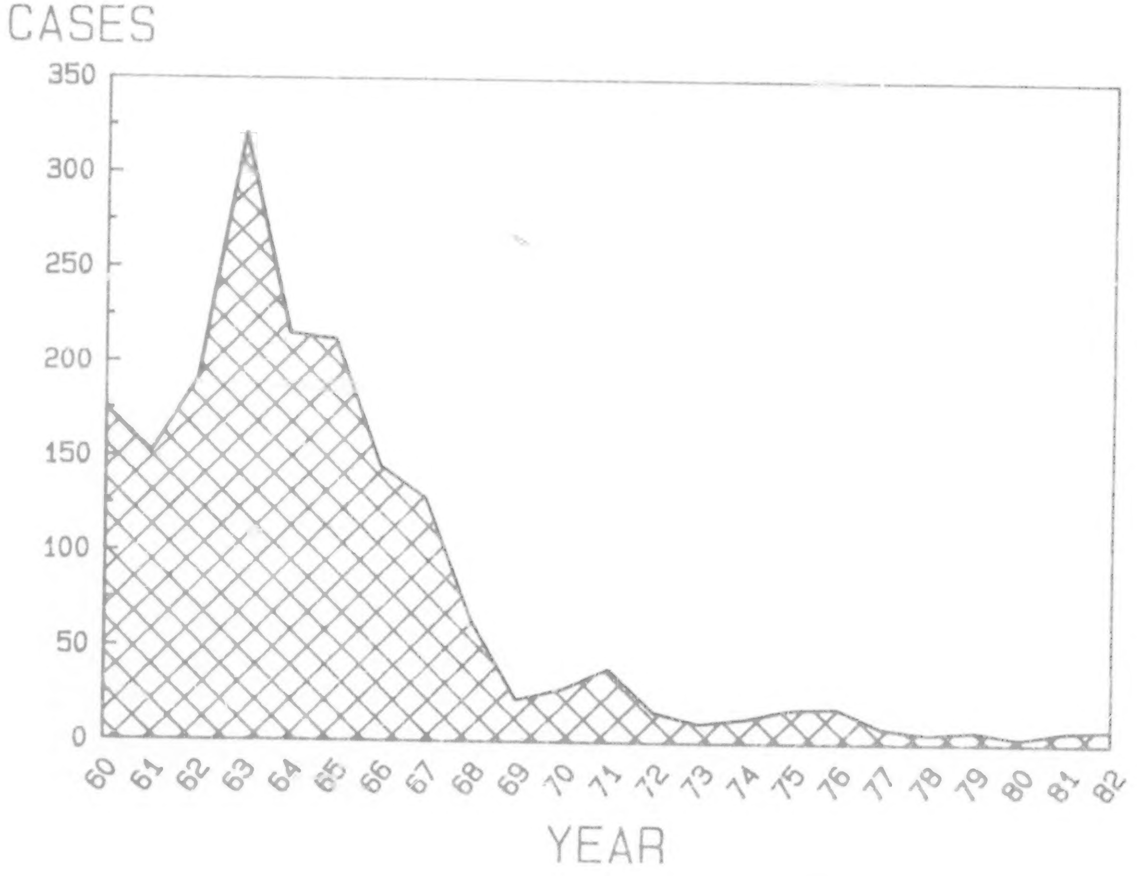
There were eight reported cases of congenital syphilis this year. With proper prenatal care, these cases could have been prevented.

Primary & Secondary SYPHILIS - Reported Cases
By County, Florida, 1981-1982

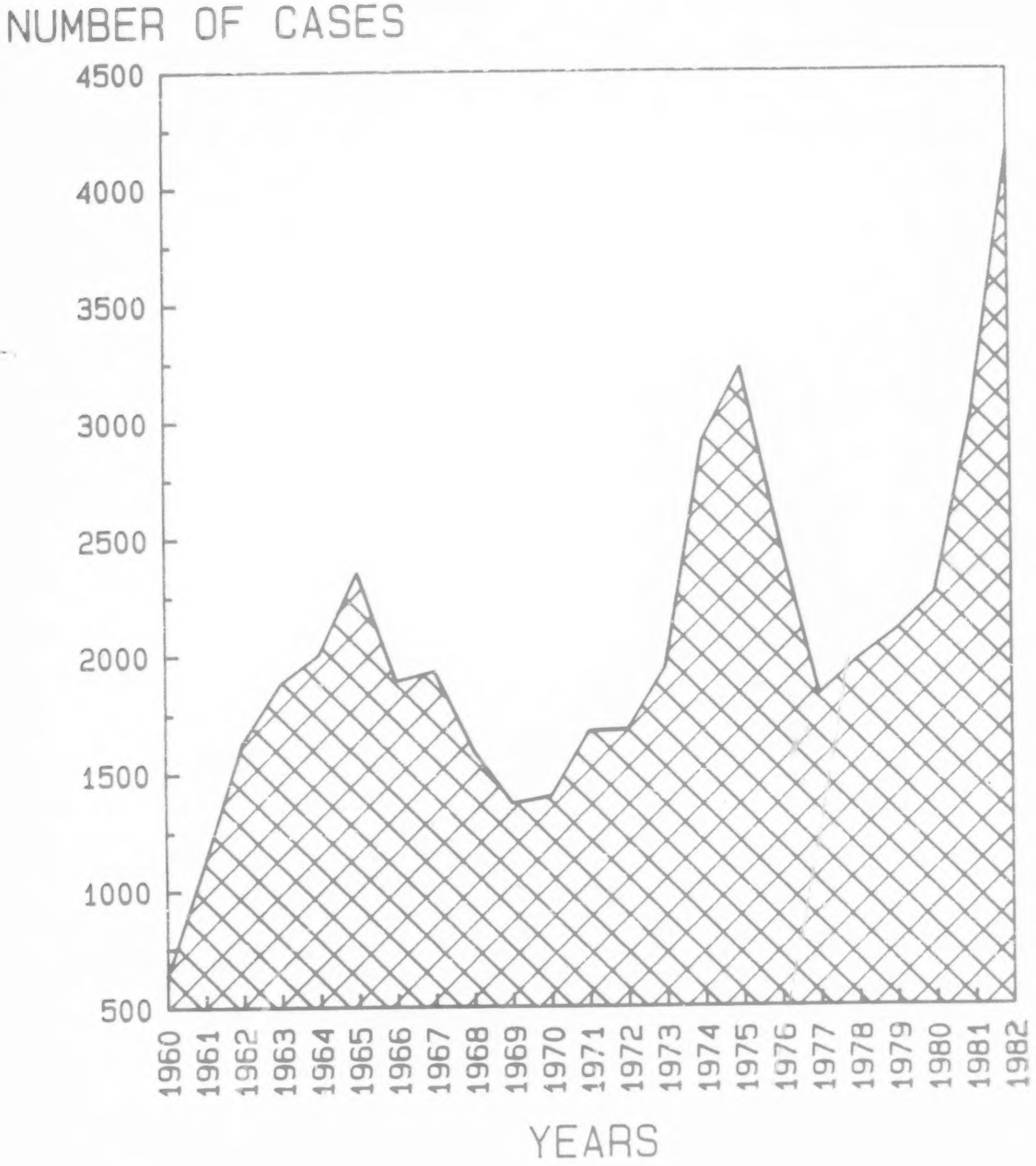
	1982	1981	%Change
Alachua	43	66	-34.8
Baker	1	-	*
Bay	12	14	-14.3
Bradford	3	6	-50.0
Brevard	51	30	+70.0
Broward	324	382	-15.2
Calhoun	-	-	-
Charlotte	3	2	+50.0
Citrus	1	-	*
Clay	2	2	-
Collier	16	42	-61.9
Columbia	12	5	+140.0
Dade	1,237	677	+82.7
DeSoto	8	3	+166.7
Dixie	-	-	-
Duval	238	86	+176.7
Escambia	109	59	+84.7
Flagler	3	-	*
Franklin	7	2	+250.0
Gadsden	30	22	+36.4
Gilchrist	1	-	*
Glades	-	1	-100.0
Gulf	-	-	-
Hamilton	5	6	-16.7
Hardee	1	2	-50.0
Hendry	3	8	-62.5
Hernando	-	3	-100.0
Highlands	13	3	+333.3
Hillsborough	594	416	+42.8
Holmes	-	-	-
Indian River	11	4	+175.0
Jackson	2	9	-77.8
Jefferson	1	2	-50.0
Lafayette	-	-	-
Lake	20	9	+122.2
Lee	108	75	+30.6
Leon	121	68	+77.9
Levy	2	1	+100.0
Liberty	-	-	-
Madison	5	-	*
Manatee	21	62	-66.1
Marion	43	24	+79.2
Martin	8	6	+33.3
Monroe	33	19	+73.7
Nassau	1	2	-50.0
Okaloosa	6	6	-
Okeechobee	-	1	-100.0
Orange	220	221	-0.5
Osceola	9	2	+350.0
Palm Beach	260	230	+13.0
Pasco	12	13	-7.7
Pinellas	222	171	+29.8
Polk	112	103	+8.7
Putnam	4	6	-33.3
St. Johns	2	20	-90.0
St. Lucie	61	28	+117.9
Santa Rosa	1	4	-75.0
Sarasota	35	58	-39.7
Seminole	49	12	+308.3
Sumter	2	-	*
Suwannee	12	-	*
Taylor	14	5	+180.0
Union	1	-	*
Volusia	22	31	-29.0
Wakulla	2	2	*
Walton	1	-	*
Washington	2	3	-33.3
Institutions	7	2	+250.0
State Total	4,149	3,036	+36.7

(-) Indicates no change in morbidity from prior period
(*) Indicates percent change calculation cannot be made

CONGENITAL SYPHILIS, REPORTED CASES
FLORIDA - 1960-1982



PRIMARY & SECONDARY SYPHILIS
REPORTED CASES FLORIDA, 1960-1982



GONORRHEA

In 1982, there were 62,702 cases of gonorrhea reported in Florida, a 3.9% increase from 1981. That number is 2,348 more than 1981 (60,354 cases). Gonorrhea cases in Florida have not fallen below the 60,000 level since 1977. Cases reported between 1978 and 1982 have ranged from a high of 65,437 in 1980 to a low of 60,382 in 1978. Only one year, 1981, when 60,354 cases were reported, shows a decrease from the previous year. The encouraging aspect about reported gonorrhea since 1977 is that rates per 100,000 population have steadily declined. This, of course, is due to vigorous growth in population which on the average has increased approximately 318,000 per year for the past five years.

While gonorrhea rates may be decreasing statewide, the incidence of penicillin resistant gonorrhea certainly has not nor has it since 1980. Penicillinase-producing Neisseria Gonorrhoeae (PPNG) has steadily increased over the past three years. Fifteen cases were reported in 1980, 436 cases in 1981, and despite vigorous efforts at control, its incidence rose to 914 in 1982 (an increase of 109.6% over the previous year).

During 1982, 38,589 men (61.5% of total cases) were reported with gonorrhea in Florida. The typical infected male is between 20 and 29 years of age (62.6% of male cases), black (63.4% of male cases), heterosexual, and resides in the intercity neighborhoods, where Florida's morbidity is traditionally highest.

In 1982, 24,108 women (38.5% of total cases) were reported with gonorrhea in Florida, of whom 2,312 (9.6%) were found to have gonococcal pelvic inflammatory disease (GPID). Priorities continue to be maintained in detecting young females diagnosed with GPID and identifying their sex contacts for referral, examination, and treatment.

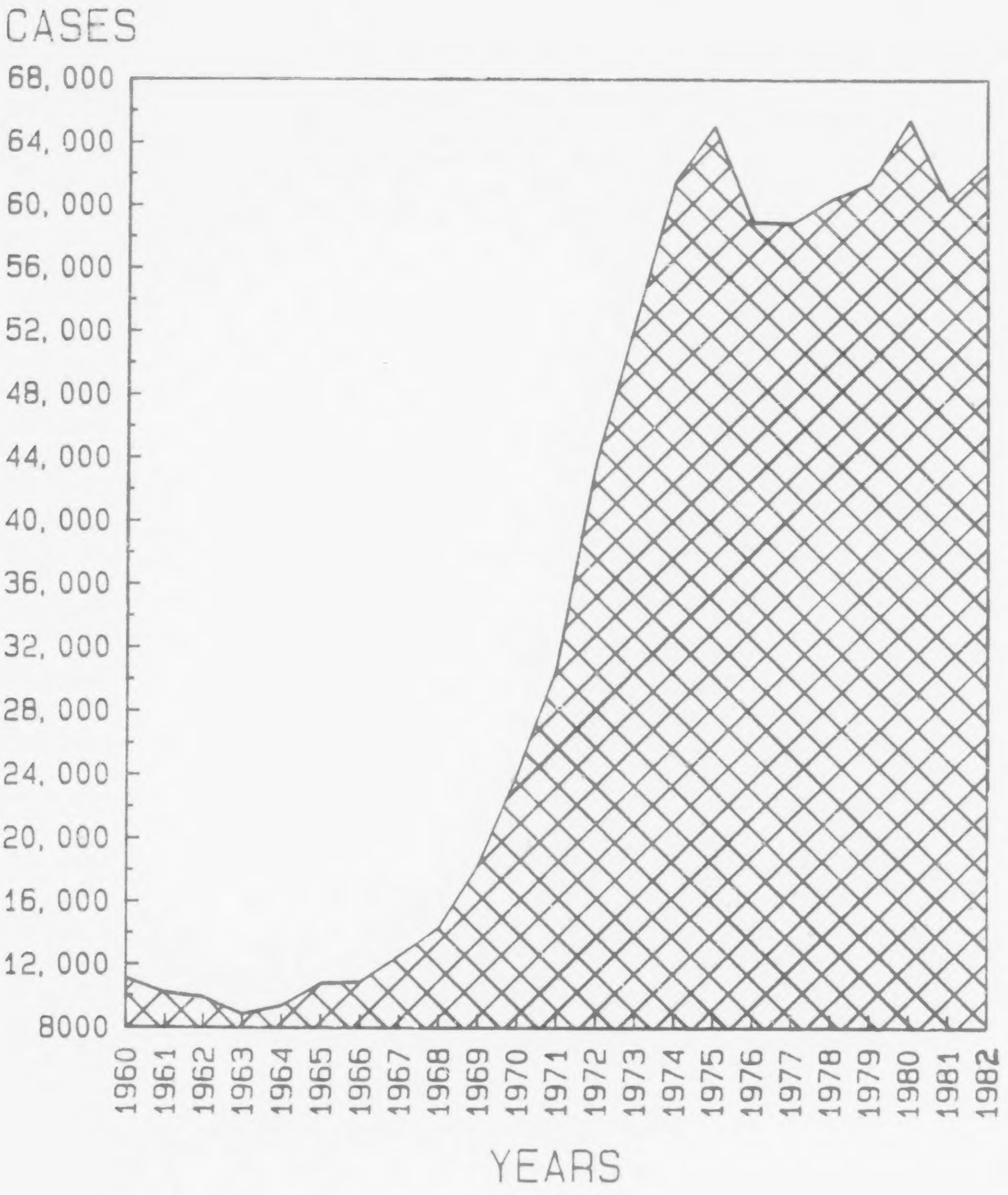
GONORRHEA - Reported Cases By County, Florida, 1981-1982

	1982	1981	%Change
Alachua	1,081	1,261	-14.3
Baker	54	50	+8.0
Bay	667	592	+12.7
Bradford	120	67	+79.1
Brevard	871	962	-9.5
Broward	5,159	5,260	-1.9
Calhoun	13	23	-43.5
Charlotte	69	56	+23.2
Citrus	73	143	-49.0
Clay	154	64	+140.6
Collier	711	533	+33.4
Columbia	324	245	+32.2
Dade	9,702	11,069	-12.3
DeSoto	509	393	+29.5
Dixie	75	64	+17.2
Duval	7,462	6,077	+22.8
Escambia	2,096	1,890	+10.9
Flagler	48	27	+77.8
Franklin	18	7	+157.1
Gadsden	496	366	+35.5
Gilchrist	14	10	+40.0
Glades	6	13	-53.8
Gulf	-	-	-
Hamilton	137	89	+53.9
Hardee	72	61	+18.0
Hendry	148	126	+17.5
Hernando	142	117	+21.4
Highlands	256	263	-2.7
Hillsborough	6,059	5,590	+8.4
Holmes	-	4	-100.0
Indian River	359	434	-17.3
Jackson	125	131	-4.6
Jefferson	22	27	-18.5
Lafayette	26	17	+52.9
Lake	644	602	+7.0

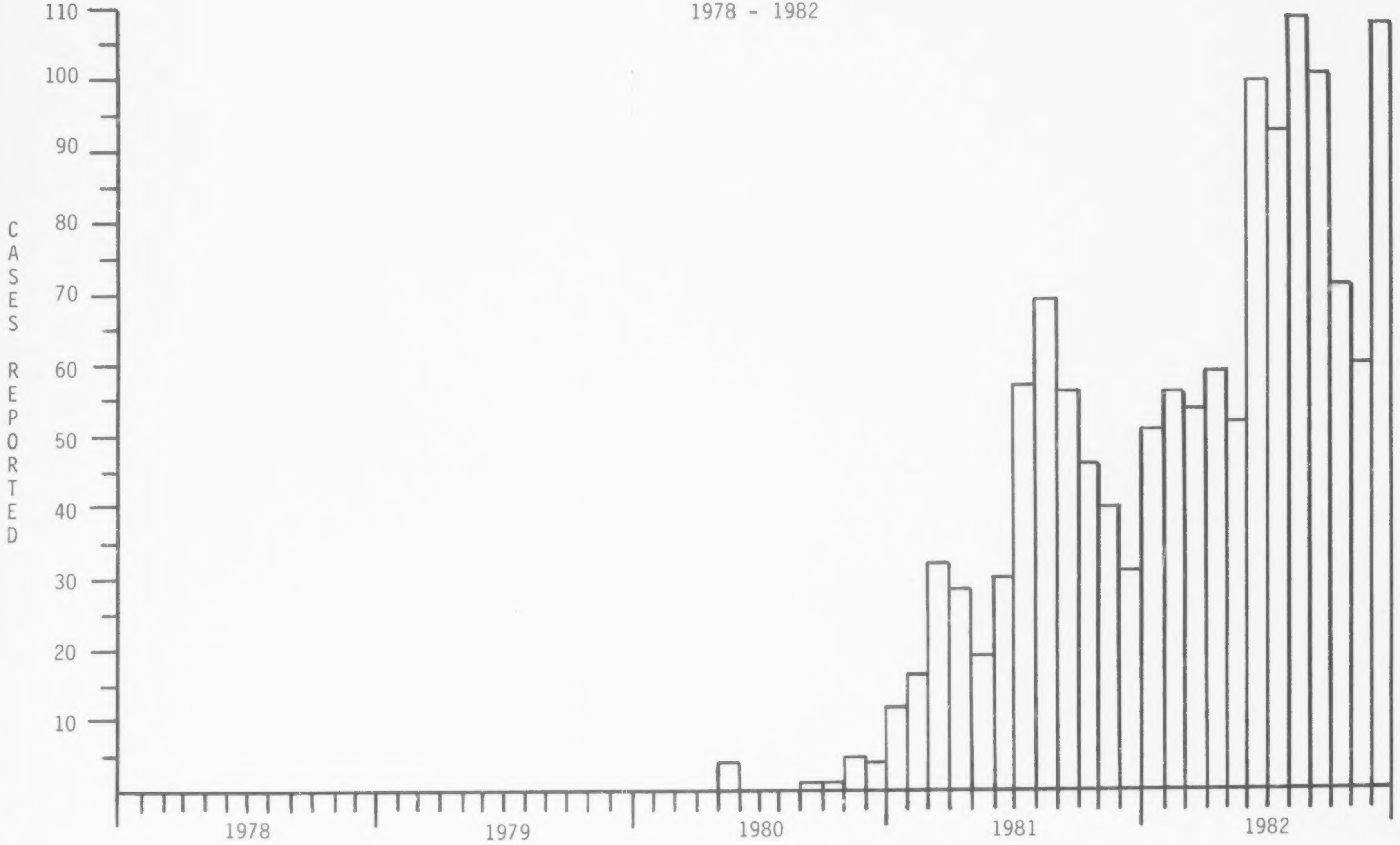
	1982	1981	%Change
Lee	1,435	1,218	+17.8
Leon	1,624	1,913	-15.1
Levy	45	29	+55.2
Liberty	7	6	+16.7
Madison	21	73	-71.2
Manatee	508	593	-14.3
Marion	616	354	+74.0
Martin	228	267	-14.6
Monroe	667	560	+19.1
Nassau	93	66	+40.9
Okaloosa	343	268	+28.0
Okeechobee	77	73	+5.5
Orange	4,721	4,413	+7.0
Osceola	215	239	-10.0
Palm Beach	3,486	3,506	-0.6
Pasco	242	235	+3.0
Pinellas	3,999	4,262	-6.2
Polk	2,070	1,723	+20.1
Putnam	224	194	+15.5
St. Johns	177	112	+58.0
St. Lucie	818	728	+12.4
Santa Rosa	151	58	+160.3
Sarasota	904	865	+4.5
Seminole	511	657	-22.1
Sumter	228	192	+18.8
Suwannee	118	52	+126.9
Taylor	94	62	+51.6
Union	33	12	+175.0
Volusia	1,271	931	+36.5
Wakulla	18	15	+20.0
Walton	40	37	+6.3
Washington	6	8	-25.0
Institutions	-	-	-
State Total	62,702	60,354	+3.9

(-) Indicates no change in morbidity from prior period
(*) Indicates percent change calculation cannot be made

GONORRHEA-CASES REPORTED
FLORIDA, 1960-1982



STATE OF FLORIDA
PENICILLINASE PRODUCING NEISSERIA GONORRHOEAE
REPORTED CASES
1978 - 1982

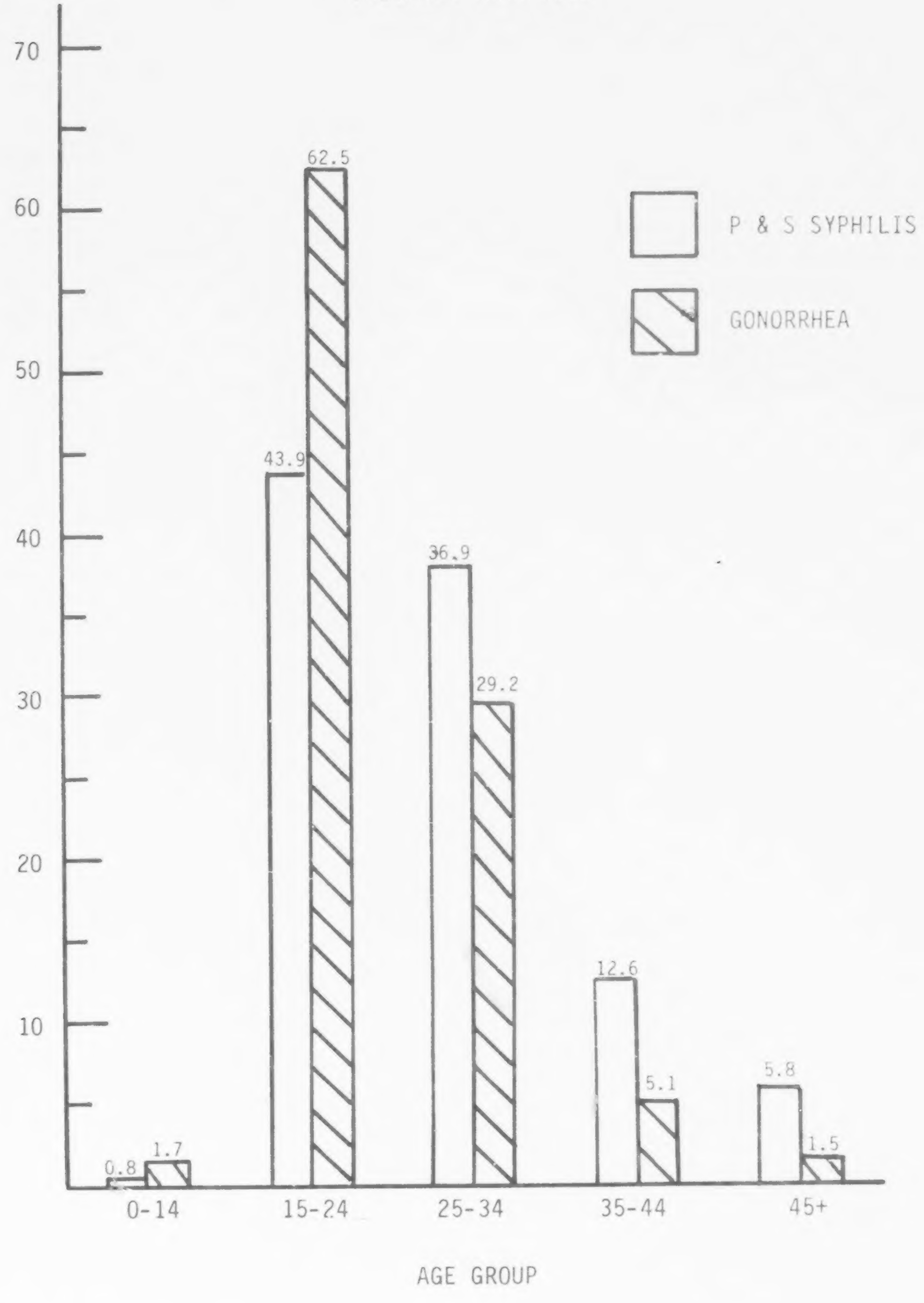


REPORTED SYPHILIS AND GONORRHEA CASES AND RATES
PER 100,000 POPULATION, FLORIDA 1957 - 1982

Year	Population	Total Syphilis		Primary & Secondary		Early Latent		Late & Late Latent		Congenital		Gonorrhea	
		Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
1982	10,442,676	7,936	76.0	4,149	39.7	1,884	18.0	1,895	18.1	8	0.07	62,702	600.4
1981	10,108,564	5,971	59.1	3,036	30.0	1,376	13.6	1,552	15.4	7	0.07	60,354	597.0
1980	9,813,706	4,384	44.7	2,257	23.0	1,066	10.9	1,058	10.8	3	0.03	65,437	666.8
1979	9,294,250	4,567	49.1	2,099	22.6	1,297	14.0	1,164	12.5	7	0.08	61,427	660.9
1978	8,966,395	4,648	51.8	1,978	22.1	1,350	15.1	1,315	14.7	5	0.06	60,382	673.4
1977	8,717,334	4,543	52.1	1,828	21.0	1,957	22.4	750	8.6	8	0.1	58,843	675.0
1976	8,551,814	5,528	64.6	2,481	29.0	2,154	25.2	874	10.2	19	0.2	58,921	689.0
1975	8,485,230	6,328	74.6	3,228	38.0	1,981	23.3	1,101	13.0	18	0.2	65,031	766.4
1974	8,248,851	5,518	66.9	2,915	35.3	1,624	19.7	966	11.7	13	0.2	61,507	745.6
1973	7,845,100	4,339	55.3	1,946	24.8	1,227	15.6	1,156	14.7	10	0.1	52,582	670.3
1972	7,441,500	3,692	49.6	1,680	22.6	1,189	16.0	807	10.8	16	0.2	43,688	587.1
1971	7,024,600	3,651	52.0	1,675	23.8	1,156	16.5	781	11.1	39	0.6	30,659	436.5
1970	6,841,500	2,983	43.6	1,398	20.4	990	14.5	567	8.3	28	0.4	24,089	352.1
1969	6,651,400	3,147	47.3	1,368	20.6	868	13.0	889	13.4	22	0.3	18,257	274.5
1968	6,468,700	3,615	55.9	1,595	24.7	898	13.9	1,058	16.3	64	1.0	14,331	221.5
1967	6,287,000	4,378	69.6	1,933	30.7	861	13.7	1,456	23.2	128	2.0	12,563	199.8
1966	6,105,900	5,699	93.3	1,890	30.9	972	15.9	2,692	44.1	145	2.4	10,884	178.3
1965	5,924,700	6,132	103.5	2,356	39.8	1,037	17.5	2,527	42.6	212	3.6	10,803	182.3
1964	5,743,000	5,908	102.9	2,005	34.9	1,011	17.6	2,667	46.6	215	3.8	9,402	163.7
1963	5,560,100	6,945	124.9	1,883	33.8	999	18.0	3,742	67.3	321	5.8	8,867	159.5
1962	5,375,600	6,004	111.7	1,632	30.4	1,505	28.0	2,676	49.8	191	3.5	9,902	165.6
1961	5,188,900	5,324	102.6	1,118	21.6	1,561	30.0	2,493	48.0	152	2.9	10,215	196.9
1960	4,999,000	4,115	82.3	639	12.8	1,047	20.9	2,254	45.1	175	3.5	11,122	222.5
1959	4,790,000	4,332	90.4	344	7.2	916	19.1	2,875	60.0	197	4.1	11,172	233.2
1958	4,571,000	3,186	69.7	201	4.4	741	16.2	2,056	45.0	188	4.1	10,329	240.5
1957	4,245,000	5,514	129.9	213	5.0	1,068	25.2	3,971	93.5	262	6.2	9,725	229.1

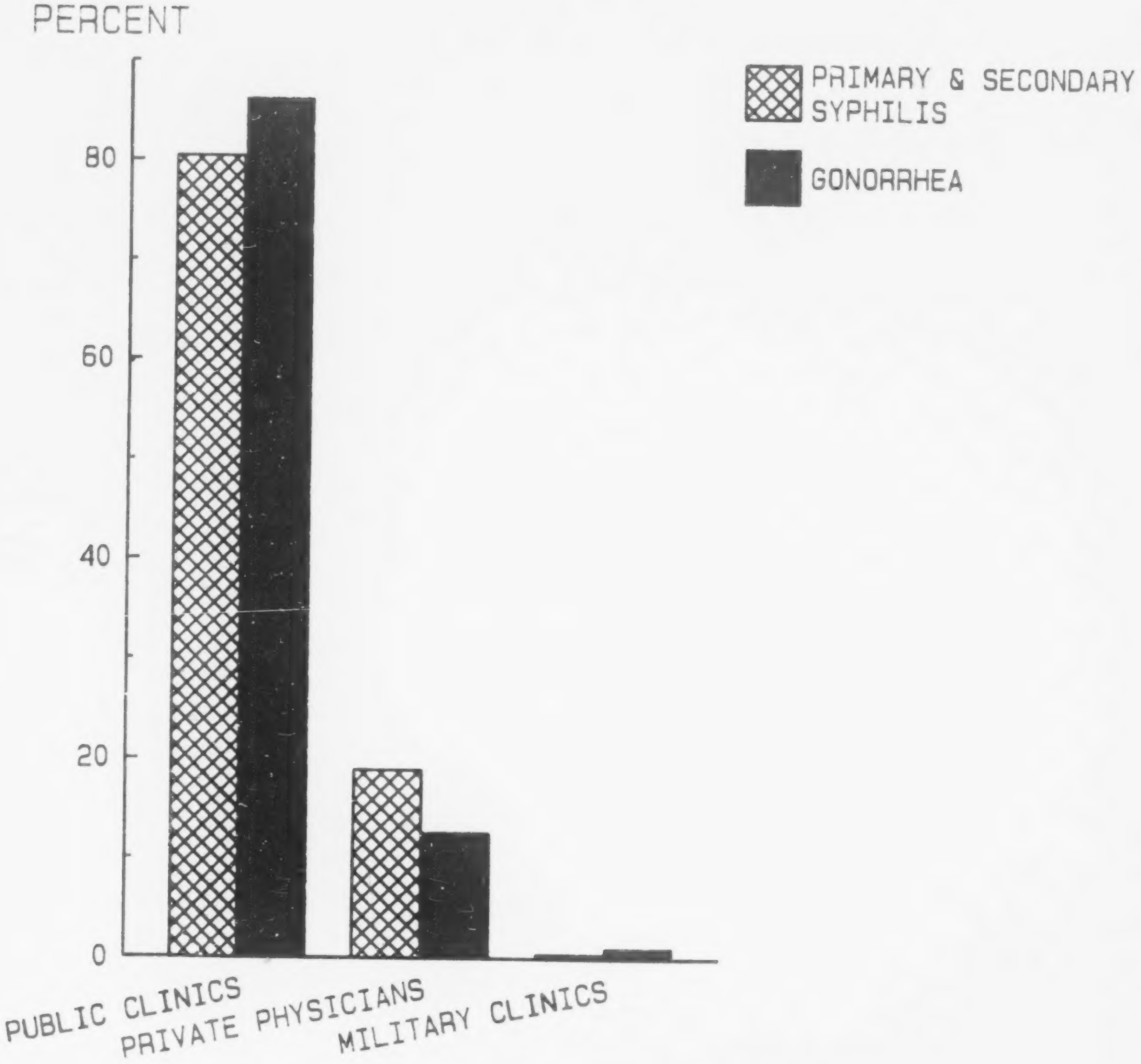
* Beginning in 1978 the early latent syphilis category is limited to latent infections under 1 year's duration. The infections over 1 year's duration are now classified as late and late latent.

STATE OF FLORIDA
INFECTIOUS VENEREAL DISEASE MORBIDITY
PERCENTAGE OF REPORTED CASES
BY AGE GROUP
CALENDAR YEAR 1982



GONORRHEA & INFECTIOUS SYPHILIS CASES REPORTED BY SOURCE

FLORIDA, 1982



SECTION 6:

SUMMARY OF TUBERCULOSIS

Prepared by Tuberculosis Control
Clifford H. Cole, M.D., M.P.H., Medical Executive Director

TUBERCULOSIS

Incidence

In 1982, 1,467 cases of tuberculosis were reported to the state, which represents a 5.5% reduction from the 1,553 tuberculosis cases reported in 1981. Florida ranked fourth among all the states in number of tuberculosis cases reported in 1982.

The tuberculosis case rate of 13.9 per 100,000 population for 1982 represents a 9.2% reduction from the 1981 rate of 15.3 and exceeded the national decrease of 7.5% (Table 1).

Age, Race, and Sex

The distribution of reported cases of tuberculosis in Florida by age showed that in 1982 the majority of cases occurred among those in the 25-64 year-old age group (Table 2). Case rates per 100,000 population by age, race, and sex also showed higher rates occurring in older rather than in younger age groups (Table 3). With the exception of the youngest and oldest age groups, case rates tend to increase with age, regardless of race or sex (Figure 1).

In 1982, rates for non-whites were more than five times greater than those for whites and the number of tuberculosis cases among non-whites (N=740) exceeded the number occurring in whites (N=727). In the percent of total cases occurring among non-whites and whites (Race, Figure 1) the difference is only 0.8% as compared to 8.2% during 1981. The reduction in the percent of total cases occurring among non-whites can be attributed to the decreasing numbers of Haitian refugees entering Florida with tuberculosis. In 1982, there were 103 (7.0%) tuberculosis cases reported among Haitians compared to 201 (12.9%) cases in 1981.

The difference in tuberculosis case rates among males and females becomes apparent after 25 years of age and progresses as the population grows older, with the earliest increases and highest rates occurring in adult non-white males.

Bacteriologic Confirmation

Of the 1,467 cases reported in 1982, bacteriologic results were available at the time of report for 1,420 (96.8%). Thirteen hundred fifty-five cases (92.4%) were reported to have positive bacteriology of which 1,317 (89.8%) represented positive culture findings. Only 47 (3.2%) cases were recorded without bacteriologic results.

Site of Disease

Pulmonary tuberculosis accounted for 89.2% of reported cases in 1982, and extrapulmonary disease accounted for 10.8% (Table 4). In 1982, the incidence of extrapulmonary disease decreased by 18.5% which is the first decrease that has been observed since 1978 (Figure 2).

Geographic Distribution

District XI reported the highest case rate for 1982 (20.7 per 100,000); the highest case rate per 100,000 was reported by St. Lucie County (41.3 per 100,000); 12 counties reported no cases in 1982 (Table 5). Forty-five counties reported case rates below the state average of 13.9 per 100,000 population.

TABLE 1

TUBERCULOSIS - Reported cases and rates per 100,000 population,
United States and Florida, 1972 - 1982

YEAR	United States				Florida			
	NUMBER	RATE	Percent Change		NUMBER	RATE	Percent Change	
			Number	Rate			Number	Rate
1972	32,882	15.8	-6.6	-7.6	1,517	21.0	-2.2	-5.0
1973	30,998	14.8	-5.7	-6.3	1,487	19.3	-2.0	-8.1
1974	30,122	14.2	-2.8	-4.1	1,460	17.7	-1.8	-8.3
1975	33,989	15.9	----	----	1,758	21.0	----	----
1976	32,105	15.0	-5.5	-5.7	1,630	19.4	-7.3	-7.6
1977	30,145	13.9	-6.1	-7.3	1,674	19.8	+2.6	+2.0
1978	28,521	13.1	-5.4	-5.8	1,724	20.1	+2.9	+1.5
1979	27,669	12.6	-3.0	-3.8	1,628	18.4	-5.6	-8.5
1980	27,749	12.3	+0.3	-2.4	1,647	16.9	+1.2	-8.2
1981	27,373	11.9	-1.4	-3.3	1,553	15.3	-5.7	-9.5
1982	25,520	11.0	-6.8	-7.6	1,467	13.9	-5.5	-9.2

NOTE: Case data subsequent to 1974 are not comparable to prior years because a change in reporting criteria became effective in 1975.

FIGURE 1

TUBERCULOSIS - Reported cases by age, race, and sex, Florida, 1982

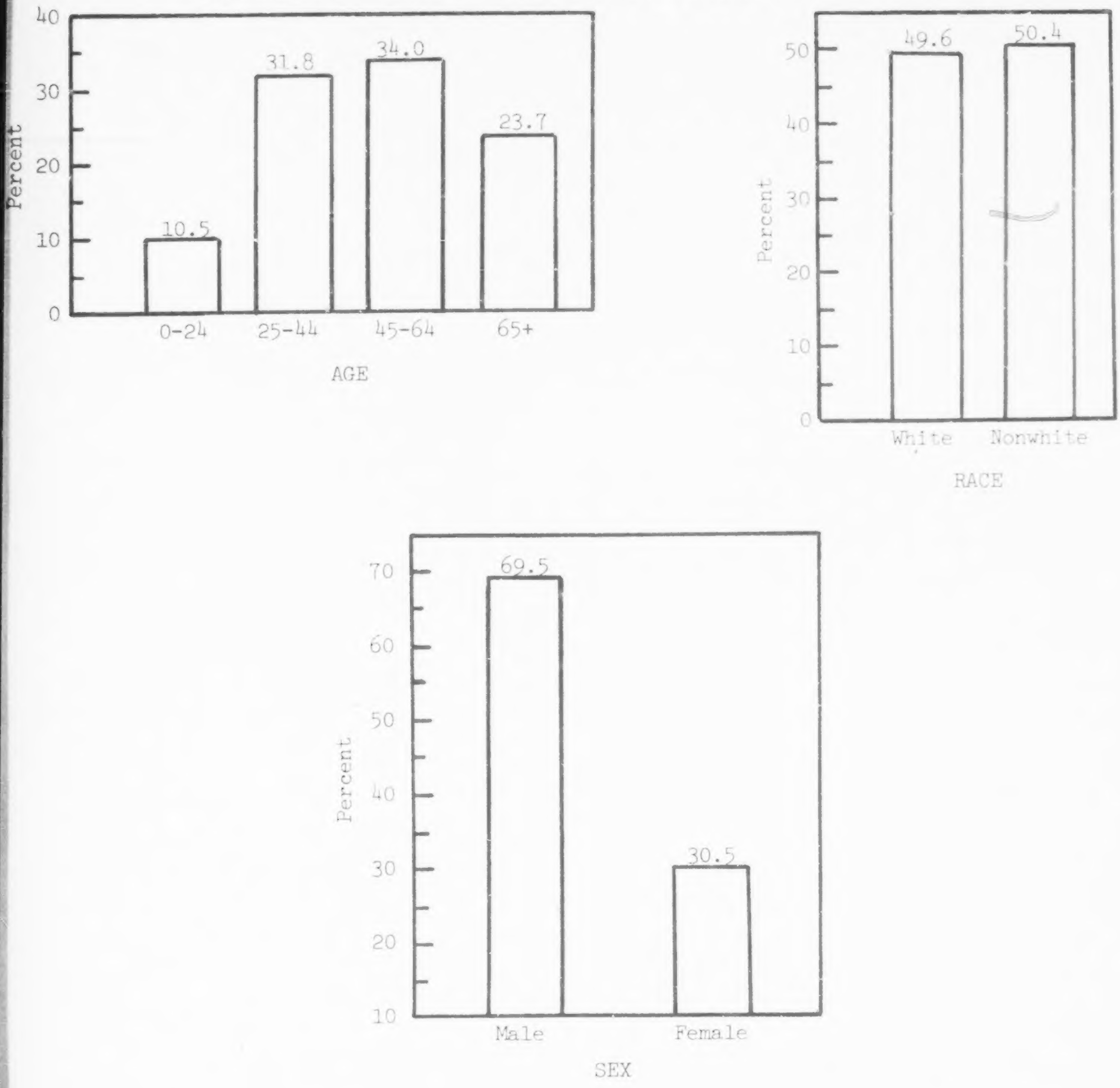


TABLE 2

TUBERCULOSIS - Reported cases by age, race, and sex, Florida, 1982

Age	Total	White			Non-White		
		Total	Male	Female	Total	Male	Female
0-4	35	9	6	3	26	21	5
5-14	10	5	3	2	5	1	4
15-24	109	27	15	12	82	40	42
25-44	466	163	105	58	303	213	90
45-64	499	264	193	71	235	178	57
65+	348	259	190	69	89	55	34
Total	1,467	727	512	215	740	508	232

FIGURE 2

TUBERCULOSIS - Reported case rates by age, Florida, 1982

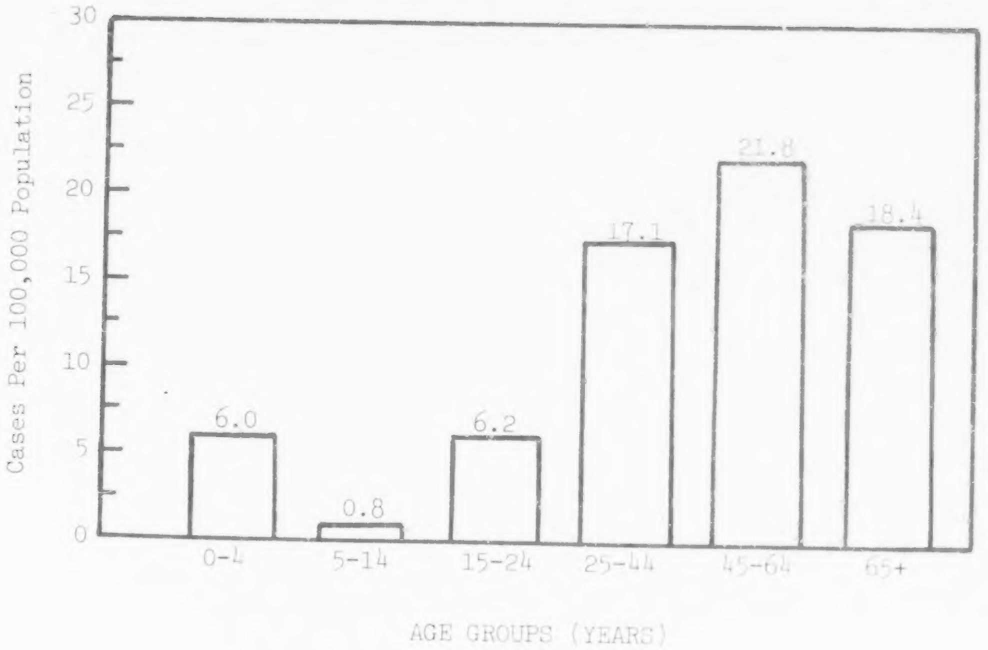


TABLE 3

TUBERCULOSIS - Reported case rates per 100,000 population by age, race, and sex, Florida, 1982

		White			Non-White		
Age	Total	Total	Male	Female	Total	Male	Female
0-4	6.0	2.2	2.8	1.5	15.8	25.1	6.2
5-14	0.8	0.5	0.6	0.4	1.8	0.7	2.9
15-24	6.2	1.9	2.1	1.7	22.8	22.3	23.4
25-44	17.1	7.1	9.2	5.0	69.7	104.9	38.8
45-64	22.8	13.2	20.8	6.6	83.6	140.5	36.9
65+	18.4	15.1	25.9	7.0	49.5	73.8	32.5
Total	13.9	8.2	12.1	4.7	43.5	62.8	26.0

FIGURE 3

TUBERCULOSIS - Reported cases by bacteriological status at time of report, Florida, 1982

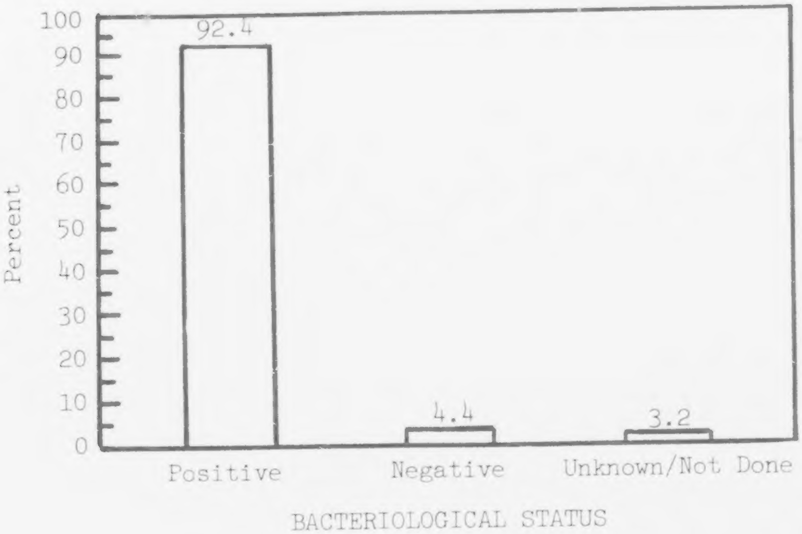


TABLE 4

TUBERCULOSIS - Reported cases and percent by site of disease, Florida, 1982

Disease Site	Reported Cases	
	Number	Percent
Pulmonary	1,308	89.2
Extra-Pulmonary:		
Pleural	45	
Lymphatic	29	
Bone and/or Joint	20	
Genitourinary	20	
Miliary	20	
Meningeal	4	
Peritoneal	10	
Other	11	
Total Extra-Pulmonary	159	10.8
All Cases	1,467	100.0

FIGURE 4

Number of Reported Pulmonary and Extra-Pulmonary Tuberculosis Cases
Florida, 1976 - 1982

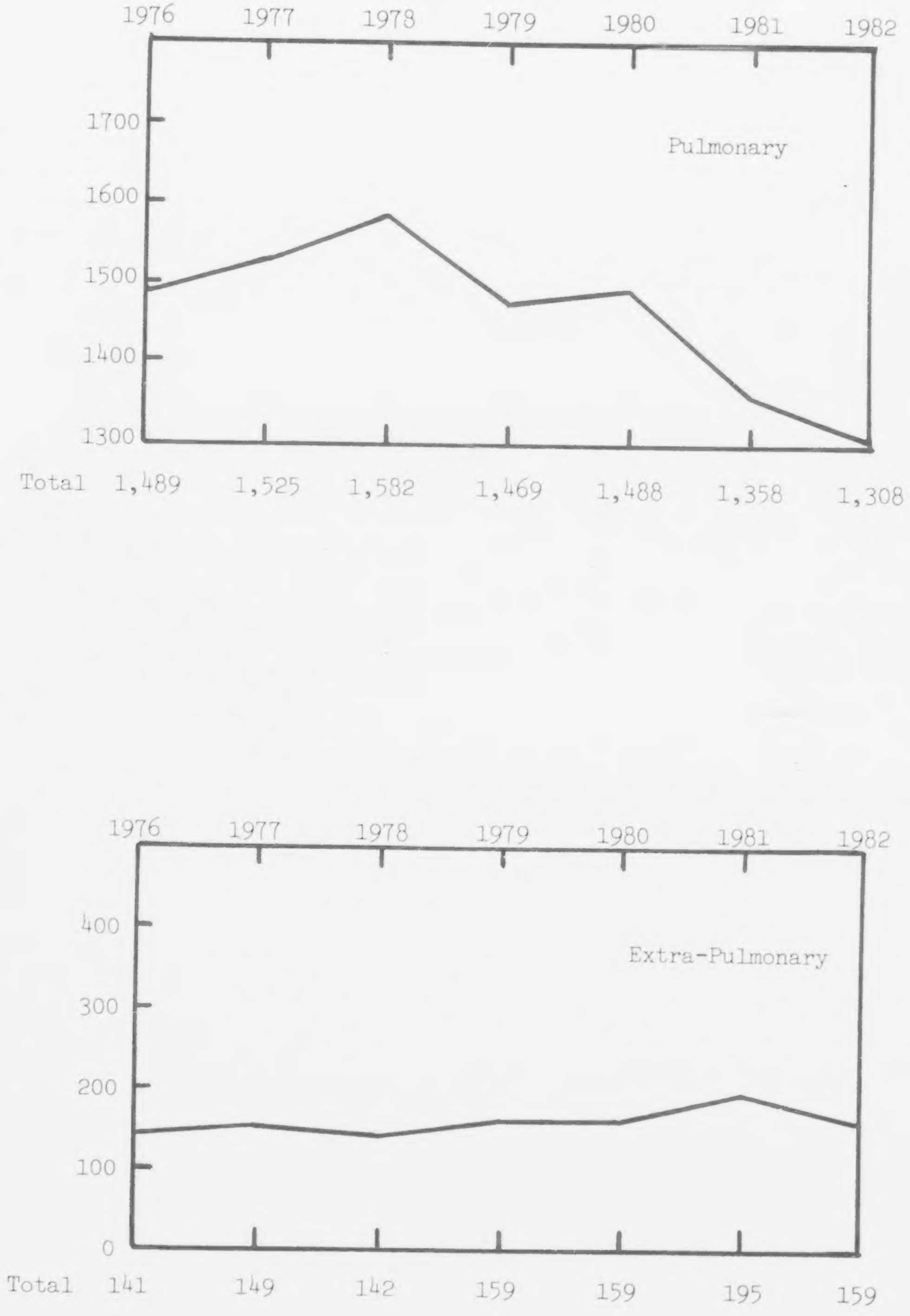


Figure 5 **TUBERCULOSIS** - Reported cases and case rates per 100,000 population by HRS district, Florida, 1982

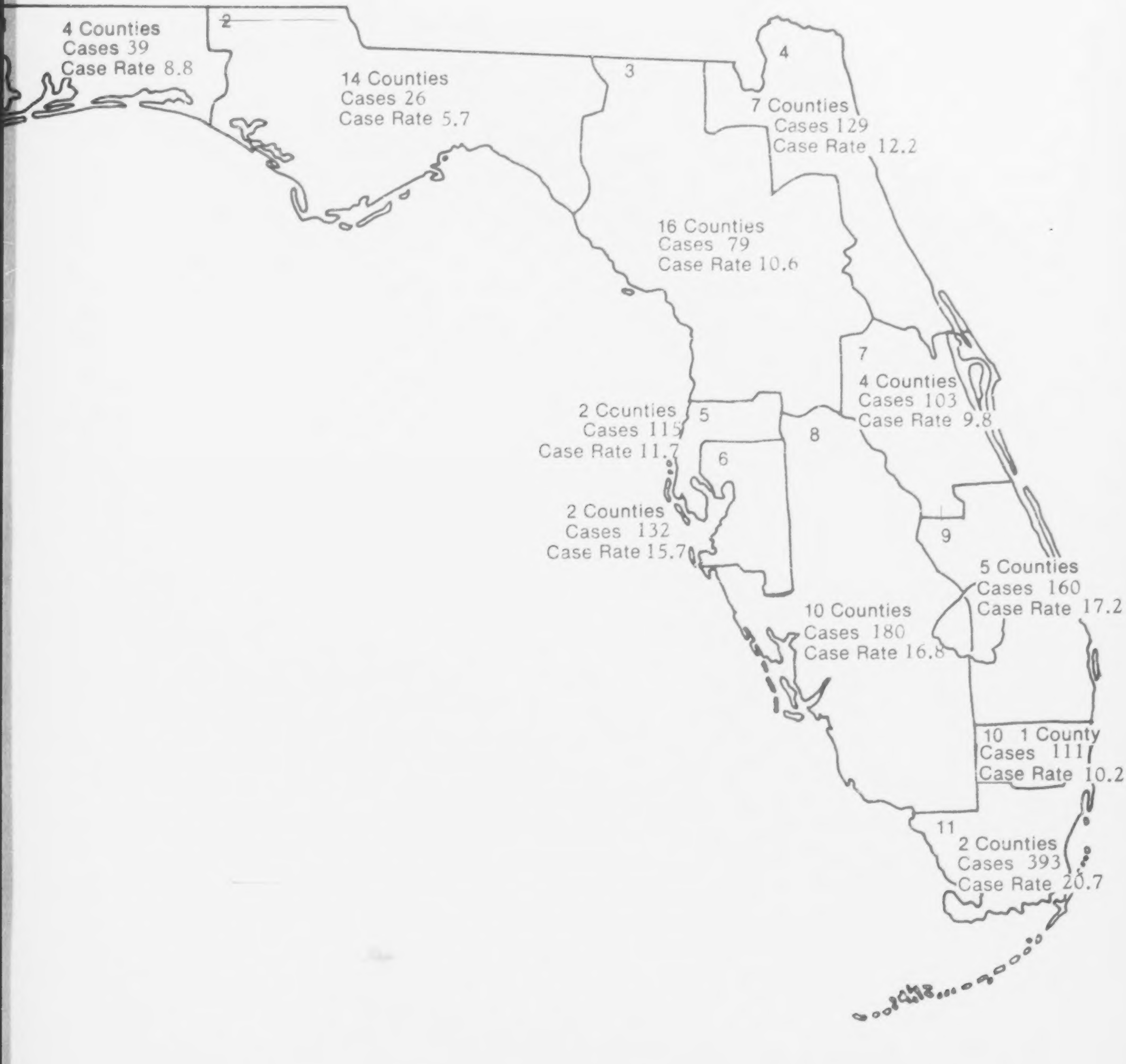

4 Counties
Cases 39
Case Rate 8.8
2
14 Counties
Cases 26
Case Rate 5.7
3
4
7 Counties
Cases 129
Case Rate 12.2
16 Counties
Cases 79
Case Rate 10.6
7
4 Counties
Cases 103
Case Rate 9.8
2 Counties
Cases 115
Case Rate 11.7
5
8
6
2 Counties
Cases 132
Case Rate 15.7
9
5 Counties
Cases 160
Case Rate 17.2
10 Counties
Cases 180
Case Rate 16.8
10 1 County
Cases 111
Case Rate 10.2
11
2 Counties
Cases 393
Case Rate 20.7

TABLE 5

TUBERCULOSIS - Reported Cases and Rates Per 100,000 Population, By Rank, By County, Florida, 1982

County	Number of Cases	Rate Per 100,000 Population	Rank
Florida	1,467	13.9	--
Alachua	17	10.8	31
Baker	2	12.2	27
Bay	1	1.0	54
Bradford	1	4.9	45
Brevard	19	6.5	41
Broward	111	10.2	34
Calhoun	0	0.0	55
Charlotte	4	6.1	42
Citrus	3	4.6	46
Clay	2	2.7	51
Collier	25	25.6	7
Columbia	1	2.8	50
Dade	386	21.0	11
Desoto	6	30.3	6
Dixie	1	11.6	28
Duval	91	15.6	17
Escambia	26	10.6	33
Flagler	0	0.0	55
Franklin	0	0.0	55
Gadsden	4	9.4	35
Gilchrist	0	0.0	55
Glades	0	0.0	55
Gulf	0	0.0	55
Hamilton	2	23.2	9
Hardee	8	39.0	2
Hendry	7	34.2	4
Hernando	4	7.4	39
Highlands	8	15.2	19
Hillsborough	105	15.5	18
Holmes	1	6.6	40
Indian River	10	14.9	20
Jackson	1	2.5	52
Jefferson	4	37.0	3
---	--	--	--
Lafayette	0	0.0	55
Lake	20	17.9	14
Lee	18	7.9	37
Leon	12	7.7	38
Levy	3	14.0	22
Liberty	0	0.0	55
Madison	0	0.0	55
Manatee	27	16.7	16
Marion	6	4.4	47
Martin	4	5.6	43
Monroe	7	10.7	32
Nassau	1	2.9	49
Okaloosa	9	7.7	38
Okeechobee	7	31.5	5
Orange	66	13.3	25
Osceola	8	12.7	26
Palm Beach	96	14.5	21
Pasco	30	13.7	23
Pinellas	85	11.2	29
Polk	86	25.1	8
Putnam	11	21.1	10
St. Johns	2	3.5	48
St. Lucie	43	41.3	1
Santa Rosa	1	1.7	53
Sarasota	18	8.2	36
Seminole	10	5.1	44
Sumter	5	19.5	13
Suwannee	5	20.4	12
Taylor	3	17.3	15
Union	0	0.0	55
Volusia	31	11.1	30
Wakulla	0	0.0	55
Walton	3	13.5	24
Washington	0	0.0	55

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FLORIDA
MORBIDITY STATISTICS
1983

HRS

DEPARTMENT OF HEALTH AND
REHABILITATIVE SERVICES

BOB MARTINEZ, Governor

GREGORY L. COLER, Secretary

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

GREGORY L. COLER
Secretary

ROBERT B. WILLIAMS
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INTRODUCTION

This is the 39th edition of the Florida Morbidity Statistics. The series begun in 1945 in order to provide a variety of users with detailed information not previous available in the State Board of Health Annual Reports. Data on the reported incidence of notifiable communicable diseases are presented in a table and figure format with narrative interpretations when appropriate. These and some unpublished records for the years 1918 through 1944 are available upon request from the Epidemiology Program.

Sources of Data

Data in this document are based on case reports furnished to County Public Health Units (CPHUs) by private physicians, hospitals, and others. Other sources of data include death certificates and laboratory reports which are checked routinely for previously unreported cases of notifiable diseases.

Each CPHU designates an individual responsible for collecting, tabulating, and maintaining data on reportable notifiable diseases received from physicians and hospitals on a continuing basis. These data are initially recorded on a "Reportable Disease Control Log". From this, each CPHU prepares and submits to the District Administrator and State Health Office (SHO) Epidemiology Program summary reports on all cases of notifiable diseases reported to it during the past seven days. On the basis of morbidity data for certain prescribed diseases received from CPHUs, the Epidemiology Program compiles statewide statistics and makes a weekly report to the Centers for Disease Control (CDC).

The population figures used in calculating the case rates for certain diseases are estimated by the Bureau of Economic and Business Research, College of Business Administration, University of Florida.

Epidemiologic Investigation

Individual case reports are verified as cases of the disease through investigations conducted by CPHU personnel. The CPHU director assigns those cases to be investigated to a nurse, sanitarian, or other appropriate personnel for follow-up. Most cases are physician-diagnosed and have appropriate laboratory verification. Individual case investigation forms are forwarded to the Epidemiology Program for review and, in some instances, forwarded to the CDC along with investigations from any outbreaks.

Residence

Occurrence of cases by county is usually reported by residence of the case. Reports originating from hospitals and other places outside the ill person's county of residence are credited to the county of usual residence. Sexually transmitted diseases are reported by county of residence unless residing in an institution (i.e., prison) in which case they are attributed to an institutional, 68th category.

Computerized Data Base

The Epidemiology Program collects the data submitted and consolidates it for later analysis and interpretation. The consolidated data are forwarded to the HRS Data Center for electronic data processing purposes. The CDC is then notified by telephone of reports on selected communicable diseases. A computer printout of the electronically processed data is returned to the SHO Epidemiology Program.

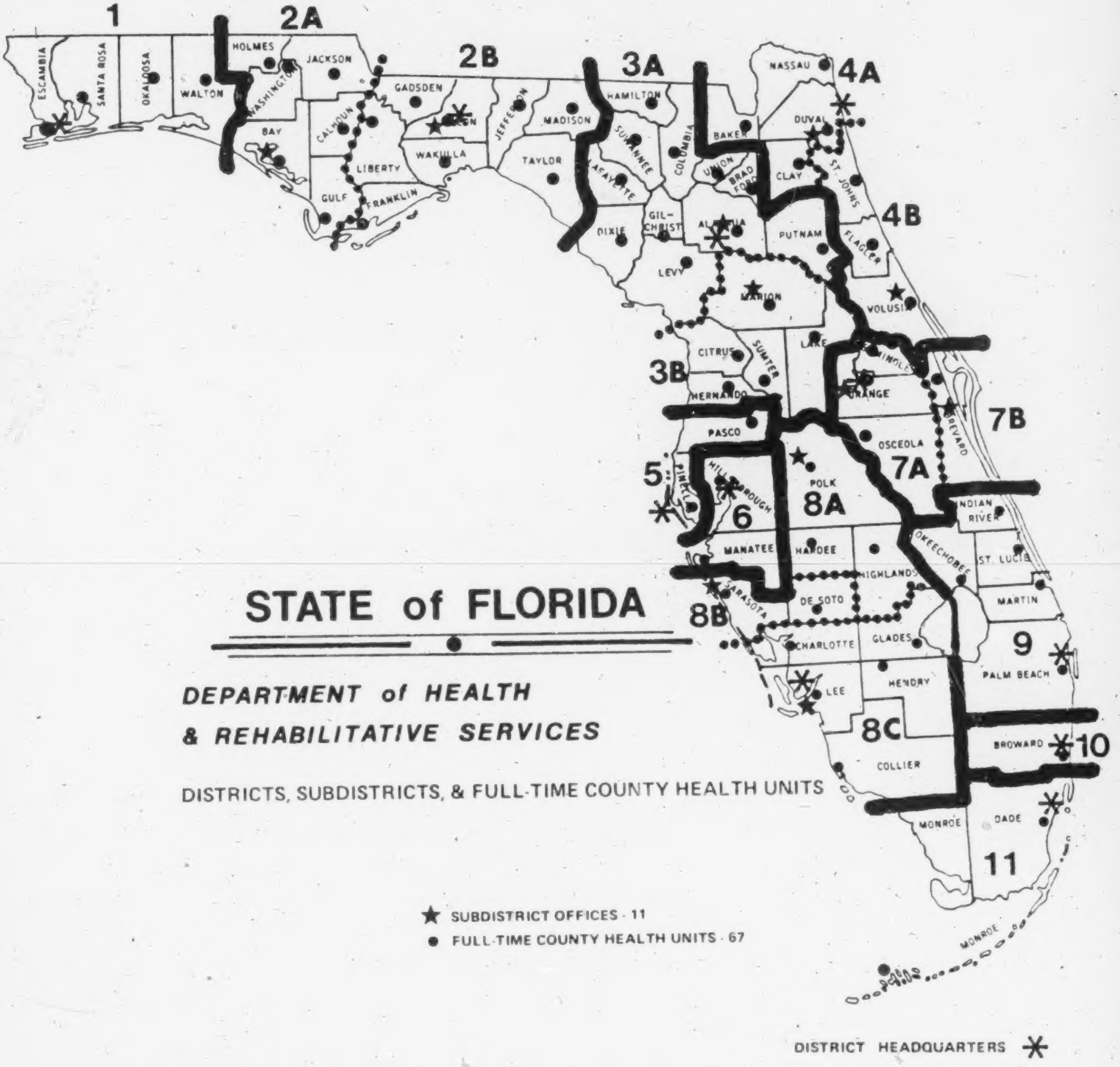
ACKNOWLEDGEMENTS

The Epidemiology Program acknowledges the important role played by Charles Hartwig, Sc.D., Director of Laboratory Services, and his staff in the Central Laboratory, the Epidemiology Research Center, and the six branch laboratories, in the prevention and control of communicable diseases. Other HRS units which contribute substantially to this overall effort are the Office of Vital Statistics and the Office of Management Systems and Computer Services.

Special thanks go to Departmental employees in the Sexually Transmitted Disease, Tuberculosis, Immunization, and AIDS Programs for their efforts in the prevention, surveillance, and control of communicable diseases, especially Jack Wroten, Program Supervisor, Sexually Transmitted Disease Program, Marianne B. McEuen, M.D., Acting Director, Tuberculosis Control Program, Henry T. Janowski, M.P.H., Program Supervisor, Immunization Program, and Joyner Sims, Ph.D., Program Administrator, AIDS Program.

Laura MacLafferty, Statistician, Communicable Disease Program, is thanked especially for her assistance in the preparation of all graphic material in this report.

Further acknowledgement is made to HRS Districts and CPHUs for their collective efforts in the statewide communicable disease morbidity surveillance and reporting system. The participation of physicians, hospitals, nurses, sanitarians, infection control nurses, epidemiology/communicable disease specialists, communicable disease report persons, and clerical staff is likewise greatly appreciated.



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ESCAMBIA
SANTA ROSA
OKALOOSA
WALTON
HOLMES
WASHINGTON
BAY
JACKSON
CALHOUN
LIBERTY
GULF
FRANKLIN
GADSDEN
LEON
WAKULLA
JEFFERSON
MADISON
TAYLOR
HAMILTON
SUWANNEE
LAFAYETTE
DIXIE
GIL-CHRIST
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BAKER
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DUVAL
CLAY
ST. JOHNS
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INDIAN RIVER
OKEECHOBEE
ST. LUCIE
MANATEE
HARDEE
HIGHLANDS
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DEPARTMENT of HEALTH
& REHABILITATIVE SERVICES

DISTRICTS, SUBDISTRICTS, & FULL-TIME COUNTY HEALTH UNITS

★ SUBDISTRICT OFFICES - 11
● FULL-TIME COUNTY HEALTH UNITS - 67

DISTRICT HEADQUARTERS ✳

Note: Above map reflects district boundaries in 1983.
Effective 10/1/83, District 8A became part of District 6.

ALPHABETICAL LIST OF FLORIDA COUNTIES WITH 1983 MIDYEAR POPULATION ESTIMATES AND DISTRICT NUMBERS

COUNTY	POPULATION	DISTRICT
Alachua	163,193	3A
Baker	16,636	4A
Bay	108,422	2A
Bradford	23,345	3A
Brevard	311,186	7B
Broward	1,083,693	10
Calhoun	9,238	2A
Charlotte	70,761	8C
Citrus	66,301	3B
Clay	75,142	4A
Collier	103,626	8C
Columbia	38,151	3A
Dade	1,740,898	11
DeSoto	20,704	8B
Dixie	8,881	3A
Duval	588,661	4A
Escambia	251,288	1
Flagler	13,993	4B
Franklin	7,928	2B
Gadsden	43,062	2B
Gilchrist	6,691	3A
Glades	6,387	8C
Gulf	11,020	2A
Hamilton	8,922	3A
Hardee	19,735	**8A
Hendry	20,788	8C
Hernando	57,595	3B
Highlands	54,067	**8A
Hillsborough	697,007	6
Holmes	15,053	2A
Indian River	70,039	9
Jackson	39,494	2A
Jefferson	11,207	2B
Lafayette	4,190	3A
Lake	116,758	3B
Lee	237,516	8C
Leon	159,379	2B
Levy	21,697	3A
Liberty	4,376	2B
Madison	15,314	2B
Manatee	162,086	6
Marion	143,717	3B
Martin	74,770	9
Monroe	66,819	11
Nassau	36,534	4A
Okaloosa	123,889	1
Okeechobee	22,975	9
Orange	510,776	7A
Osceola	65,074	7A
Palm Beach	656,217	9
Pasco	219,263	5
Pinellas	769,527	5
Polk	346,814	8A
Putnam	54,527	3A
St. Johns	60,861	4B
St. Lucie	106,284	9
Santa Rosa	60,524	1
Sarasota	225,467	8B
Seminole	203,599	7A
Sumter	26,056	3B
Suwannee	24,258	3A
Taylor	17,443	2B
Union	10,335	3A
Volusia	286,538	4B
Wakulla	11,365	2B
Walton	22,874	1
Washington	14,857	2A
STATE TOTAL*	10,645,793	

*State population increased 0.86 percent from 1982.
**Effective October 1, 1983, District 8A became part of District 6.

SECTION 1:

Summary of Selected Notifiable Diseases

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF ONSET, FLORIDA, 1983

DISEASES	Totals	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK
Amebiasis	60	3	0	6	4	1	5	1	4	8	7	6	5	10
Encephalitis, Post-Infectious	27	1	0	2	6	8	1	2	1	2	2	1	1	0
Encephalitis (other, excluding arthropod-borne)	53	5	3	2	3	4	7	13	4	1	3	2	0	6
Hepatitis A	961	132	80	101	82	71	71	67	81	74	72	49	48	33
Hepatitis B	1398	100	92	110	105	102	102	120	102	97	108	113	100	147
Hepatitis Asso. w/Blood or Blood Products	56	5	2	3	5	5	2	2	2	7	6	9	3	5
Hepatitis Not Asso. w/Blood or Blood Products	196	9	15	14	20	14	22	14	14	11	16	22	13	12
Hepatitis, Unspecified	295	32	32	30	21	12	25	16	25	25	26	20	12	19
Legionnaires' Disease	23	0	3	1	1	0	0	7	3	2	1	0	1	4
Malaria	31	4	1	4	3	1	3	3	2	4	1	1	0	4
Measles (Rubeola)	159	11	46	49	26	6	1	9	4	6	1	0	0	2
Meningitis, Aseptic	588	40	16	23	20	35	57	84	78	61	68	51	35	20
Meningitis, Haemophilus Influenzae	333	32	32	23	31	28	24	19	21	32	20	33	30	8
Meningitis, Meningococcal	124	11	15	15	13	19	6	8	8	5	8	7	8	1
Meningitis, Other Bacterial	325	35	20	20	23	23	28	40	26	26	21	29	20	14
Mumps	26	0	1	1	1	1	0	1	0	6	8	4	3	0
Pertussis	57	2	5	1	4	8	5	4	8	3	8	6	2	1
Rubella (Excluding Congenital)	70	8	7	14	14	15	4	2	0	2	2	1	1	0
Salmonellosis	2332	125	87	101	117	129	195	257	326	307	254	194	111	129
Shigellosis	700	33	23	36	33	63	76	68	84	91	61	43	49	40

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES, FLORIDA, 1974-1983

DISEASES	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
Encephalitis, Post-Infectious	27	24	23	21	12	6	8	19	37	36
Encephalitis (other, excluding arthropod-borne)	53	74	46	59	55	92	42	26	44	54
Hepatitis A**	961	1123	1509	2278	1883	1755	1375	2360	2967	4079
Hepatitis B	1398	1356	1512	1222	981	966	796	774	613	562
Hepatitis Asso. w/Blood or Blood Products	56	75	74	51	82	+	+	+	+	+
Hepatitis Not Asso. w/Blood or Blood Products	196	183	105	+	+	+	+	+	+	+
Hepatitis, Unspecified	295	477	530	788	741	583	400	xxxxx	xxxxx	xxxxx
Gonorrhea	53370	62702	60354	65437	61427	60382	58843	58921	65031	61507
Legionnaires' Disease	23	28	22	12	47	+	+	+	+	+
Malaria	31	35	49	86	32	40	23	22	12	8
Measles (Rubeola)	159	246	345	432	938	1203	308	342	116	237
Meningitis, Aseptic	588	873	673	654	319	311	258	189	195	248
Meningitis, Haemophilus Influenzae	333	337	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meningitis, Meningococcal	124	147	256	218	203	232	131	90	91	95
Meningitis, Other Bacterial	325	667	551	487	424	+	+	+	+	+
Mumps	26	48	145	195	216	318	285	387	1231	2003
Pertussis	57	59	78	68	51	62	75	18	25	30
Reye Syndrome*	13	9	18	21	13	7	6	5	8	14
Rubella (Excluding Congenital)	70	32	67	109	318	214	197	53	153	205
Salmonellosis	2332	2637	2194	2031	1853	1624	1192	1252	1269	1182
Shigellosis	700	585	784	927	808	857	498	315	488	730
Syphilis (All Stages)	8404	7936	5971	4384	4567	4648	4543	5528	6328	5518
Tuberculosis ++	1457	1467	1553	1647	1628	1724	1674	1630	1758	1460
Typhoid Fever	19	21	27	16	23	19	20	19	8	16

**Includes Hepatitis Unspecified 1971-1976
+Not Reported This Year
xxxxxIncluded in Hepatitis A

++Since 1978, Includes New and Reactivated Cases
*Reporting Not Required
N/A Data Not Available

REPORTED CASE RATES PER 100,000 POPULATION FOR SELECTED NOTIFIABLE DISEASES, FLORIDA, 1974-1983

DISEASES	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
Encephalitis, Post-Infectious	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.4	0.4
Encephalitis (other, excluding arthropod-borne)	0.5	0.7	0.5	0.6	0.6	1.0	0.5	0.3	0.5	0.7
Hepatitis A**	9.0	10.6	14.8	23.2	20.3	19.6	15.8	27.6	35.0	49.4
Hepatitis B	13.1	12.8	14.8	12.5	10.6	10.8	9.1	9.1	7.2	6.8
Hepatitis Asso. w/Blood or Blood Products	0.5	0.7	0.7	0.5	0.9	+	+	+	+	+
Hepatitis Not Asso. w/Blood or Blood Products	1.8	1.7	1.0	+	+	+	+	+	+	+
Hepatitis, Unspecified	2.8	4.5	5.2	8.0	6.5	4.6	xxxxx	xxxxx	xxxxx	xxxxx
Gonorrhea	501.7	595.7	597.0	666.8	660.9	673.4	675.0	689.0	766.4	745.6
Legionnaires' Disease	0.2	0.3	0.2	0.1	0.5	+	+	+	+	+
Malaria	0.3	0.3	0.5	0.9	0.3	0.4	0.3	0.3	0.1	0.1
Measles (Rubeola)	1.5	2.3	3.4	4.4	10.1	13.4	3.5	4.0	1.4	2.9
Meningitis, Aseptic	5.5	8.3	6.6	6.7	3.4	3.5	3.0	2.2	2.3	3.0
Meningitis, Haemophilus Influenzae	3.1	3.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meningitis, Meningococcal	1.2	1.4	2.5	2.2	2.2	2.6	1.5	1.1	1.1	1.2
Meningitis, Other Bacterial	3.1	6.3	5.4	5.0	4.6	+	+	+	+	+
Mumps	0.2	0.5	1.4	2.0	2.3	3.5	3.3	4.5	14.5	24.3
Pertussis	0.5	0.6	0.8	0.7	0.5	0.7	0.9	0.2	0.3	0.4
Reye Syndrome	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
Rubella (Excluding Congenital)	0.7	0.3	0.7	1.1	3.4	2.4	2.3	0.6	1.8	2.5
Salmonellosis	21.9	25.0	21.5	20.7	19.9	18.1	13.7	14.6	15.0	14.3
Shigellosis	6.6	5.5	7.7	9.4	8.7	9.6	5.7	3.7	5.8	8.8
Syphilis (All Stages)	79.0	75.2	59.1	44.7	49.1	51.8	52.1	64.6	74.6	66.9
Tuberculosis ++	13.6	13.9	15.3	16.9	18.4	20.1	19.8	19.4	21.0	17.7
Typhoid Fever	0.2	0.6	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2

****Includes Hepatitis Unspecified 1971-1976**
+Not reported this year
xxxxxIncluded in Hepatitis A

++Since 1978, Includes New and Reactivated Cases
N/A Data Not Available

REPORTED CASES OF NOTIFIABLE DISEASES OF INFREQUENT OCCURRENCE, FLORIDA, 1974 - 1983

DISEASE	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	Not Reported Prior to	Year Last Case Reported
Anthrax	0	0	0	0	0	0	0	0	0	1		
Botulism	0	1	1	0	0	1	0	0	1	0	1961	
Brucellosis	7	10	16	7	11	10	11	8	14	4		
Cholera (Group 01)	0	0	0	0	0	0	0	0	0	0		1937
Congenital Rubella	0	0	1	2	4	1	0	1	0	1	1971	
Dengue	0	1	13	1	0	7	3	0	0	0		
Diphtheria	0	0	1	0	0	0	0	0	0	0		
Histoplasmosis	2	3	2	1	4	1	3	1	1	1	1957	
Hansen's Disease (Leprosy)	8	8	1	4	9	2	3	5	9	7		
Leptospirosis	4	8	6	11	18	22	8	1	13	8	1950	
Polio	0	0	0	0	0	0	0	0	0	0		
Psittacosis	3	1	3	5	0	3	4	3	1	4	1954	
Rabies (Human)	0	0	0	0	0	0	0	0	0	0		1948
Rocky Mt. Spotted Fever	3	5	14	9	10	12	2	4	6	2	1947	
Schistosomiasis	10	3	2	3	1	0	0	0	0	0		
Smallpox	0	0	0	0	0	0	0	0	0	0		1946
Tetanus	4	2	5	4	8	10	14	9	5	10		
Toxoplasmosis	11	22	25	32	6	2	1	0	0	2	1964	
Tularemia	0	1	1	0	0	2	0	1	2	0		
Typhus Fever (Murine)	0	2	1	0	1	1	0	0	1	0	1946	

SECTION 2:

Analysis of Selected Notifiable Diseases

ENCEPHALITIS, POST-INFECTIOUS AND OTHER

In 1983, there were 80 cases of encephalitis, post-infectious and other (excluding arthropod-borne) reported in Florida, an 18.4% decrease from 1982 when 98 cases were reported. The overall case rate per 100,000 for the state population did not change significantly from last year, (0.9 per 100,000 in 1982 versus 0.8 per 100,000 in 1983).

Post-infectious and other encephalitis cases were reported from 25 (37.3%) of Florida's 67 counties, with the majority of cases reported from the major population centers. The number of cases by month of onset indicate a peak period from April through July, which accounts for 55% (44/80)of the cases reported.

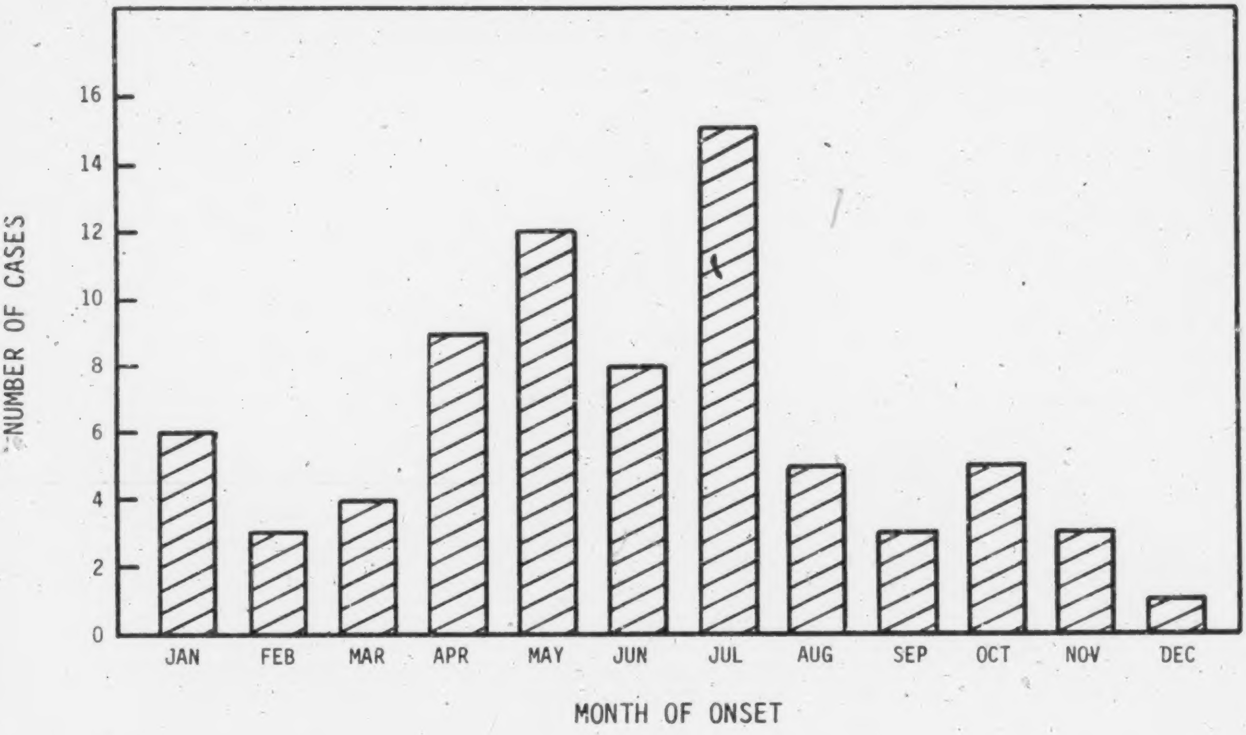
The highest age-specific incidence rate per 100,000 population was in the 1-4 year old age group (12 cases, 2.7 per 100,000), followed by those less than one year old (3 cases, 2.4 per 100,000), and those aged 5-9 (13 cases, 2.2 per 100,000). The case rate then decreased rapidly with increasing age.

ENCEPHALITIS, POST-INFECTIOUS AND OTHER (INCLUDING UNSPECIFIED AND EXCLUDING ARTHROPOD-BORNE) - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

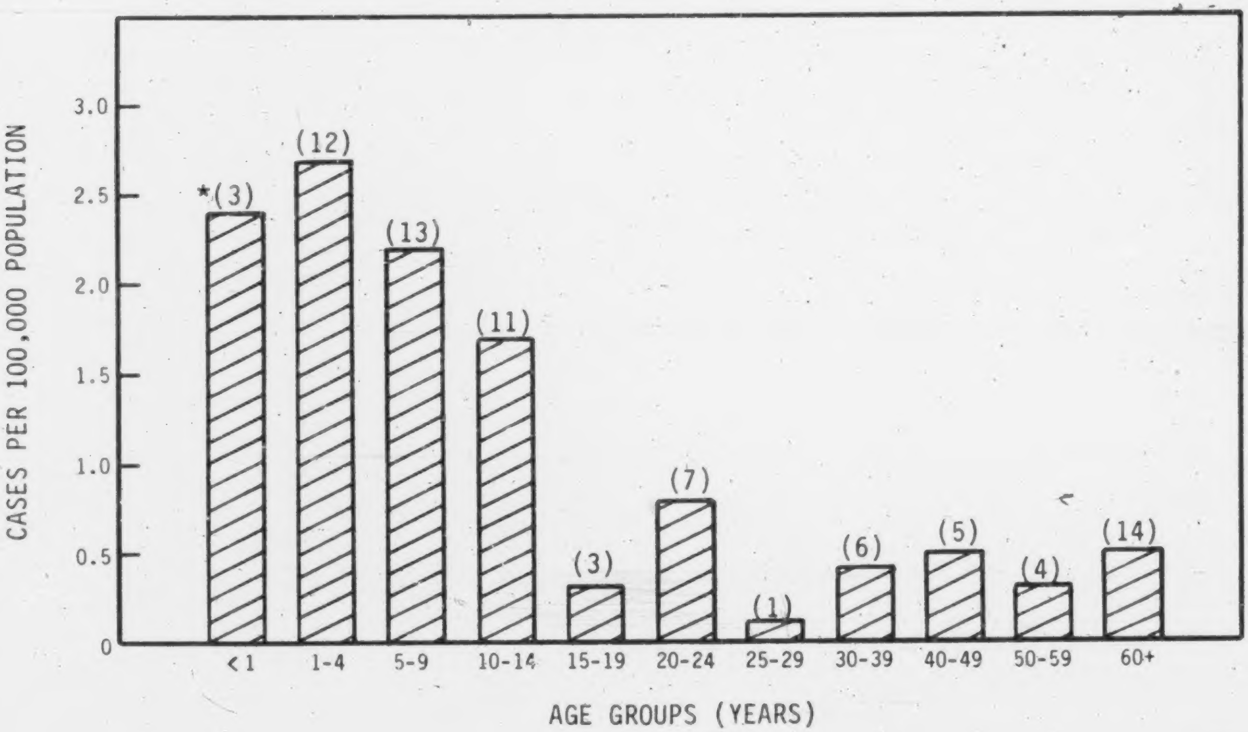
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. * MEAN
Alachua															0.0	1.1
Baker				1										1	6.0	0.0
Bay															0.0	0.3
Bradford															0.0	0.0
Brevard					1		1			1				3	1.0	0.9
Broward		1			1		2	3					2	9	0.8	0.4
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus										1				1	1.5	0.6
Clay													1	1	1.3	0.5
Collier															0.0	1.1
Columbia					1									1	2.6	0.0
Dade	1								1					2	0.1	0.1
DeSoto															0.0	0.0
Dixie															0.0	0.0
Duval	1		1											2	0.3	1.2
Escambia															0.0	0.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist								1						1	14.9	5.2
Glades															0.0	5.4
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry															0.0	1.7
Hernando															0.0	2.7
Highlands										2				2	3.7	0.0
Hillsborough				1		1	1							3	0.4	1.1
Holmes															0.0	0.0
Indian River				1		2	1							4	5.7	3.1
Jackson							1							1	2.5	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake															0.0	0.9
Lee							2	1			1		1	5	2.1	1.8
Leon									1					1	0.6	0.2
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee													1	1	0.6	0.0
Marion															0.0	0.0
Martin															0.0	1.0
Monroe															0.0	0.0
Nassau															0.0	0.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange		1	2		1	1	1		1					7	1.4	1.7
Osceola	1				4									5	7.7	4.1
Palm Beach				1		1	1				2			5	0.8	1.4
Pasco					1	1				1				3	1.4	0.3
Pinellas				1			1					1		3	0.4	0.4
Polk	1		1	3	1	2	4						1	13	3.7	4.9
Putnam															0.0	0.0
St. Johns															0.0	0.0
St. Lucie															0.0	1.0
Santa Rosa															0.0	0.6
Sarasota	1	1												2	0.9	0.5
Seminole	1				1									2	1.0	1.1
Sumter															0.0	0.0
Suwanee															0.0	0.0
Taylor															0.0	0.0
Union															0.0	0.0
Volusia				1	1									2	0.7	0.6
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	6	3	4	9	12	8	15	5	3	5	3	1	6	80	0.8	0.8

*1980-1982 Average rate

ENCEPHALITIS, POST-INFECTIOUS AND OTHER (INCLUDING UNSPECIFIED AND EXCLUDING ARTHROPOD-BORNE) – REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



ENCEPHALITIS, POST-INFECTIOUS AND OTHER (INCLUDING UNSPECIFIED AND EXCLUDING ARTHROPOD-BORNE) – REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

ENCEPHALITIS, ARTHROPOD-BORNE

Eastern Equine Encephalitis (EEE)

In 1983, there were 3 confirmed cases of EEE in Florida; a 12-year-old white male from Polk County who had onset of illness on July 12 and recovered, a 66-year-old white female from Walton County who had onset on July 16 and died on July 20, and finally, a 7-year-old white female from Escambia County who had onset on July 14 and recovered.

St. Louis Encephalitis (SLE)

No cases of SLE occurred in Florida in 1983.

Arbovirus Surveillance

A total of 7,519 sentinel chicken sera from 33 counties were tested for EEE and SLE Hemagluttination (HI) antibodies by the HRS Epidemiology Research Center in Tampa. EEE virus activity for this season (June - December) was first identified in Volusia and Polk counties the first week of August. EEE virus activity was observed in the following counties: Columbia, Putnam, Duval, Flagler, Nassau, St. Johns, Volusia, Hillsborough, Polk, Orange and Seminole. SLE virus activity for this season was first identified in Lee County the second week in September. SLE virus activity was observed in the following counties: Highlands, Manatee, Charlotte, Collier, Hendry, Lee, Sarasota, Indian River, Martin, Broward, and Dade.

MENINGITIS, ASEPTIC

In 1983, there were 588 cases of aseptic meningitis reported in Florida, a 32.7% decrease from 1982 when 873 cases were reported. The overall state case rate per 100,000 population decreased from 8.3 per 100,000 in 1982 to 5.5 per 100,000 in 1983.

Aseptic meningitis cases were reported from 35(52.2%) of Florida's 67 counties. The major population centers in the state accounted for most of the cases. Enteroviruses, which probably accounted for the majority of cases, are identified in most areas of the state. Enterovirus transmission occurs most frequently during late spring, summer, and fall which coincides with the peak incidence of aseptic meningitis cases during the months May through October.

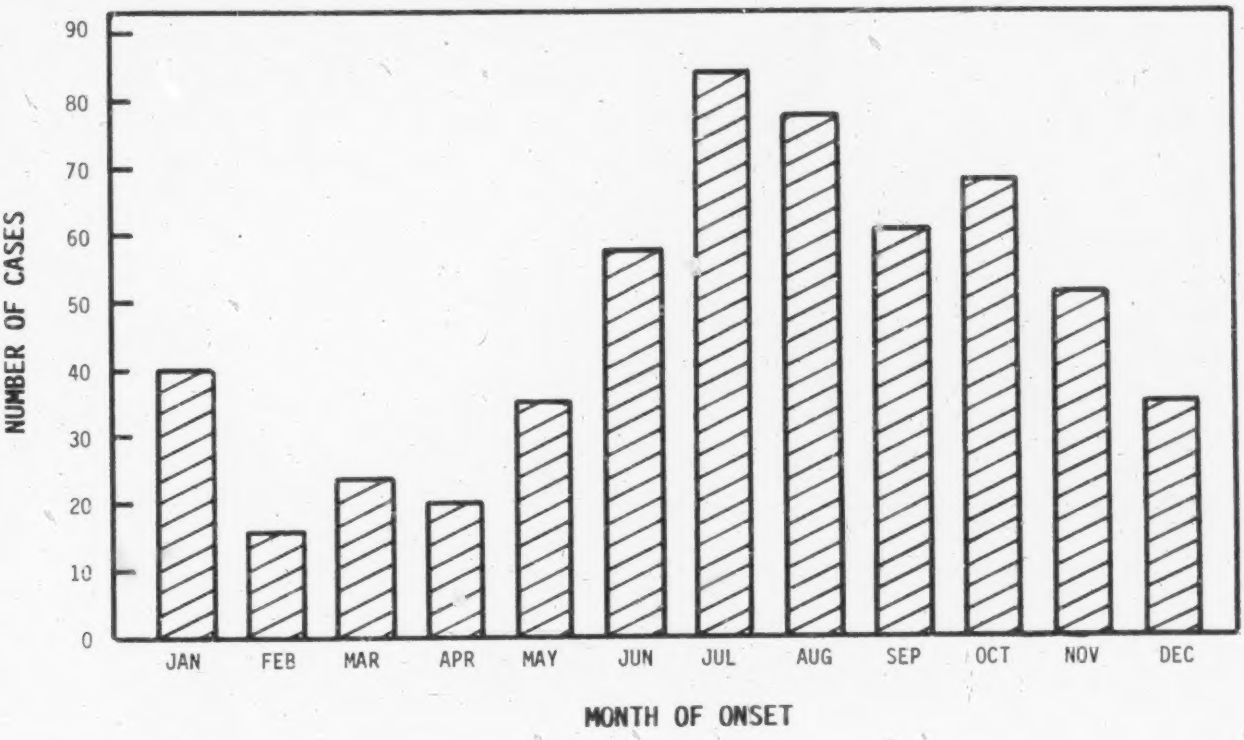
The highest age-specific incidence rate per 100,000 population was in the less than 1-year-old age group (135 cases, 107.6 per 100,000). The case rate then decreased rapidly with increasing age. The slightly elevated case rate in the age groups 1-4, 5-9, 20-24, and 25-29 may represent familial and parental associations with infants and young children.

MENINGITIS, ASEPTIC - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

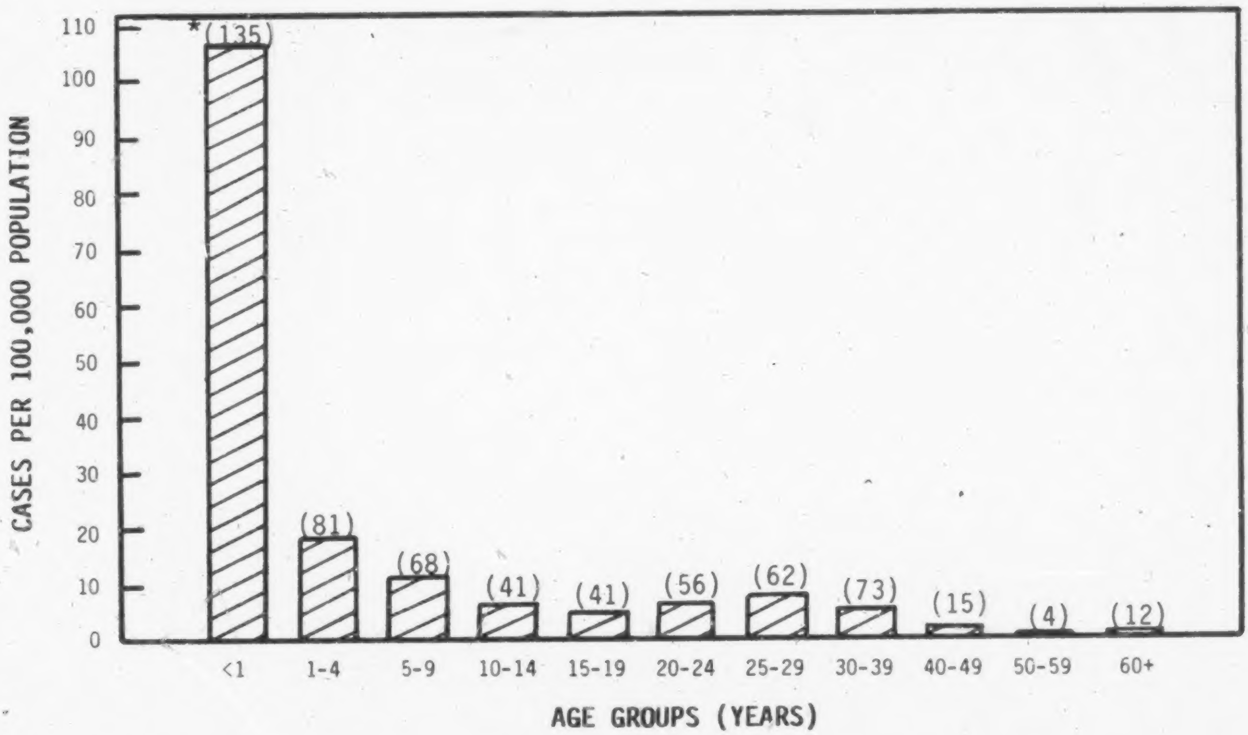
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua				1										1	0.6	10.5
Baker											2			2	12.0	12.5
Bay										1				1	0.9	2.0
Bradford												1		1	4.3	1.7
Brevard		2		1	4	1	2	3	2	2		1	2	20	6.4	8.8
Broward	2		1		7	4	3	6	1	3	4	2	7	40	3.7	3.7
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus															0.0	3.9
Clay				1								1		2	2.7	6.1
Collier			1								1	1		3	2.9	2.5
Columbia															0.0	1.9
Dade	1		4	3	3	11	11	9	5	16	13	3	4	83	4.8	5.2
DeSoto															0.0	1.7
Dixie															0.0	0.0
Duval	2		1	2	6	14	9	3	11	9	4	4	2	67	11.4	21.8
Escambia								1			3			4	1.6	1.8
Flagler															0.0	2.7
Franklin															0.0	0.0
Gadsden															0.0	0.8
Gilchrist															0.0	5.2
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	6.7
Hendry															0.0	0.0
Hernando															0.0	2.0
Highlands															0.0	0.0
Hillsborough	5	2	5	2	3	9	11	14	19	8	4	2	1	85	12.2	13.1
Holmes															0.0	0.0
Indian River							1	1	1					3	4.3	12.0
Jackson															0.0	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake		1				1	1	1		1				5	4.3	4.3
Lee	1	1	2				1		4		4		2	15	6.3	9.8
Leon	1					1		1		1				4	2.5	2.8
Levy										1				1	4.6	3.2
Liberty															0.0	7.7
Madison															0.0	0.0
Manatee			2						2	1	1	1		7	4.3	1.1
Marion		1					1					1		3	2.1	3.3
Martin	2	2			1									5	6.7	7.8
Monroe															0.0	0.5
Nassau															0.0	8.8
Okaloosa	1						1	2		1	2			7	5.7	1.2
Okeechobee															0.0	6.2
Orange	4	3	2	1	4	2	14	14	1	6	3	3		57	11.2	8.7
Osceola															0.0	7.7
Palm Beach	8	2	2		1	2	11	3	4	3	2	7		45	6.9	11.3
Pasco		1		1			2		2	1				7	3.2	2.0
Pinellas	6		1	1	1	1	3	2	1	2	4			22	2.9	5.1
Polk	2		1	7	5	5	7	7	3	5	1	4		47	13.6	17.0
Putnam								1						1	1.8	1.3
St. Johns							1	1	1					3	4.9	9.2
St. Lucie	2					1		1			1	2		7	6.6	3.5
Santa Rosa	2					2					1			5	8.3	6.9
Sarasota						1		1					2	4	1.8	0.8
Seminole			1			1	2	4	1	4				13	6.4	10.2
Sumter															0.0	0.0
Suwanee															0.0	0.0
Taylor															0.0	0.0
Union															0.0	0.0
Volusia	1	1				1	3	3	1	3	1	2		16	5.6	7.8
Wakulla									1					1	8.8	9.1
Walton									1					1	4.4	3.1
Washington															0.0	0.0
STATE TOTAL	40	16	23	20	35	57	84	78	61	68	51	35	20	588	5.5	7.2

*1980-1982 Average rate

MENINGITIS, ASEPTIC - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



MENINGITIS, ASEPTIC - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

MENINGITIS, HAEMOPHILUS INFLUENZAE

In 1983, there were 333 cases of Haemophilus influenzae meningitis reported in Florida, a 1.2% decrease from 1982, when 337 cases were reported. The overall case rate per 100,000 population for the state did not change significantly from 3.2 per 100,000 in 1982 to 3.1 per 100,000 in 1983.

H. flu meningitis cases were reported from 45 (67.2%) of Florida's 67 counties. There was no definable geographic clustering of cases within Florida. Further, the number of cases by month of onset showed no peak incidence throughout the twelve month report period.

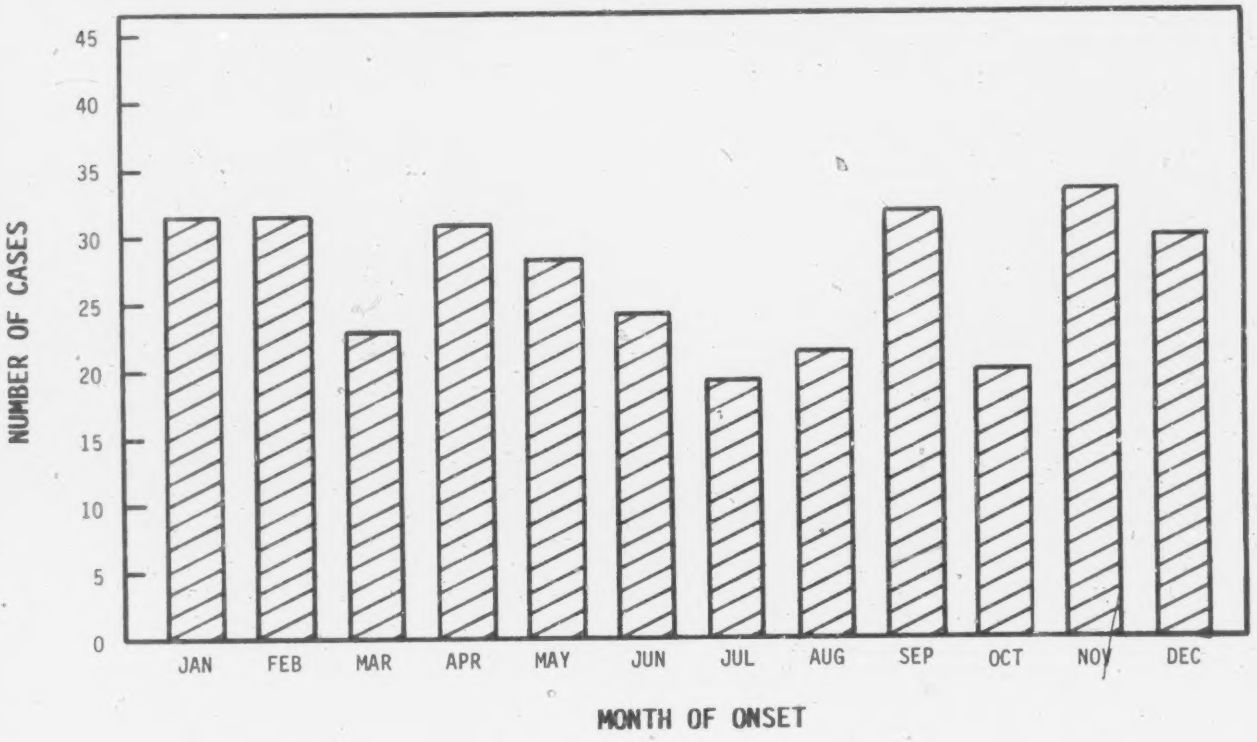
The peak age-specific incidence of reported cases occurred in the 1-4 year olds (55.8 per 100,000), followed by the less than 1 year olds (45.4 per 100,000). These two age groups accounted for 91.6% of the total cases reported. The incidence rate in age groups 5-9 and above remained fairly constant.

MENINGITIS, HAEMOPHILUS INFLUENZAE - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

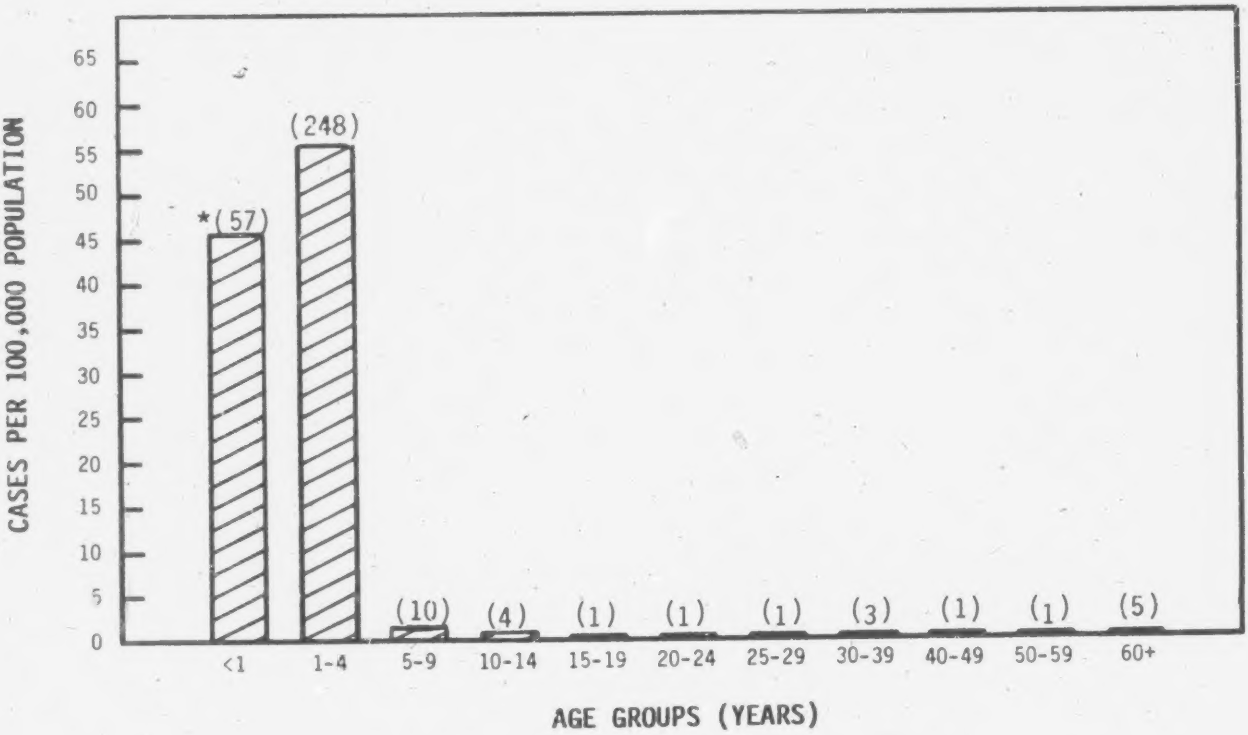
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua		3		1			1		2			1		8	4.9	--
Baker										1				1	6.0	--
Bay	3									1				4	3.7	--
Bradford															0.0	--
Brevard	1	2	1	1	2	2		1	1		1			12	3.9	--
Broward	1	7		2	6	6	4	2	4		1	1		34	3.1	--
Calhoun															0.0	--
Charlotte			1	1										2	2.8	--
Citrus															0.0	--
Clay								1						1	1.3	--
Collier	2	1			1									4	3.9	--
Columbia															0.0	--
Dade	2	1	3	6	2		1	3	6	1	2	4	2	33	1.9	--
DeSoto	1		1											2	9.7	--
Dixie				1										1	11.3	--
Duval	1	2	2	1	4	3	2	1	1	2	4	3		26	4.4	--
Escambia						1		1	1					3	1.2	--
Flagler								1						1	7.1	--
Franklin															0.0	--
Gadsden			1											1	2.3	--
Gilchrist															0.0	--
Glades	1													1	15.7	--
Gulf															0.0	--
Hamilton															0.0	--
Hardee							1							1	5.1	--
Hendry															0.0	--
Hernando	1	1									1			3	5.2	--
Highlands															0.0	--
Hillsborough	3	2				2	2	2	2	2	2	4		21	3.0	--
Holmes															0.0	--
Indian River									1					1	1.4	--
Jackson												1		1	2.5	--
Jefferson															0.0	--
Lafayette															0.0	--
Lake				1	1									2	1.7	--
Lee	1								1	1	2	1	3	9	3.8	--
Leon	1	1	1	1	1			2	1	1	1	1		11	6.9	--
Levy													2	2	9.2	--
Liberty															0.0	--
Madison															0.0	--
Manatee	1						3	1		2		1		8	4.9	--
Marion	1			3	1				1					6	4.2	--
Martin				1		1								2	2.7	--
Monroe									1					1	1.5	--
Nassau									3					3	8.2	--
Okaloosa	1			1										2	1.6	--
Okeechobee			3	2		1								6	26.1	--
Orange	2	4			2	1	2	3	1	4	9	5		33	6.5	--
Osceola												1		1	1.5	--
Palm Beach	2	1	4	4		1	1	1	2	1	5	2		24	3.7	--
Pasco	1		1	1					1	1	1	2		8	3.6	--
Pinellas	1	1	1	3	4	4		1	3	1	1	2		22	2.9	--
Polk	1	3	1	1	1	1	1	1			2			12	3.5	--
Putnam															0.0	--
St. Johns		1												1	1.6	--
St. Lucie	1		1											2	1.9	--
Santa Rosa					1					1				2	3.3	--
Sarasota			1										1	2	0.9	--
Seminole	1		1		1					1				4	2.0	--
Sumter															0.0	--
Suwanee															0.0	--
Taylor															0.0	--
Union															0.0	--
Volusia	1	2			1	1	1				1	1		8	2.8	--
Wakulla	1													1	8.8	--
Walton															0.0	--
Washington															0.0	--
STATE TOTAL	32	32	23	31	28	24	19	21	32	20	33	30	8	333	3.1	--

* Not reported as a separate type of meningitis in 1980.

MENINGITIS, HAEMOPHILUS INFLUENZAE - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



MENINGITIS, HAEMOPHILUS INFLUENZAE - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

MENINGITIS, MENINGOCOCCAL

In 1983, 124 cases of meningococcal meningitis were reported. This was an incidence rate of 1.2 cases per 100,000 population which was a slight decrease below the 1.4 cases per 100,000 reported in 1982. The peak age-specific incidence of reported cases occurred almost equally in the less than 1 year old and 1-4 age groups (9.6 and 9.7 per 100,000 population, respectively). These two age groups represented 44.4% of the total cases reported. The incidence rate in age groups 5-9 and above remained fairly constant.

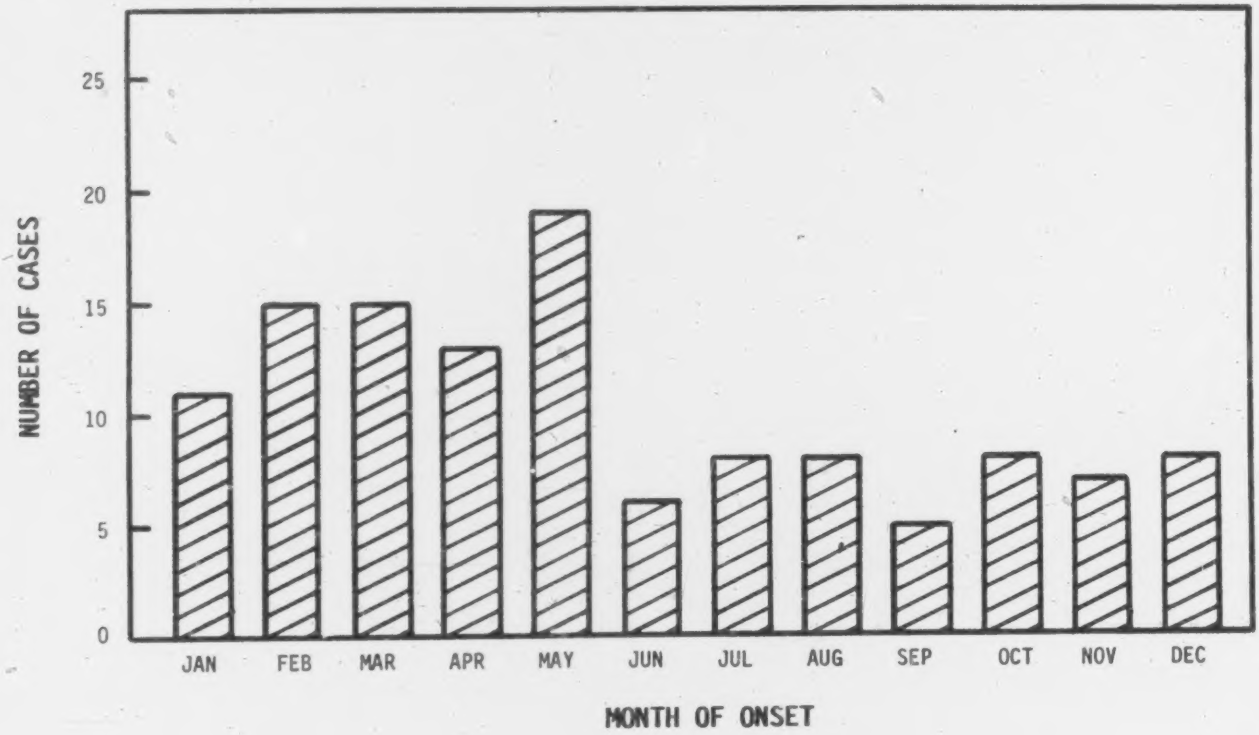
Meningococcal meningitis cases were reported from 27 (40.3%) of Florida's 67 counties. There was no definable geographic clustering of cases within Florida; however, Dade County with an incidence rate of 1.3 per 100,000 persons had the greatest number of cases, 23 (18.6% of the state total).

MENINGITIS, MENINGOCOCCAL - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

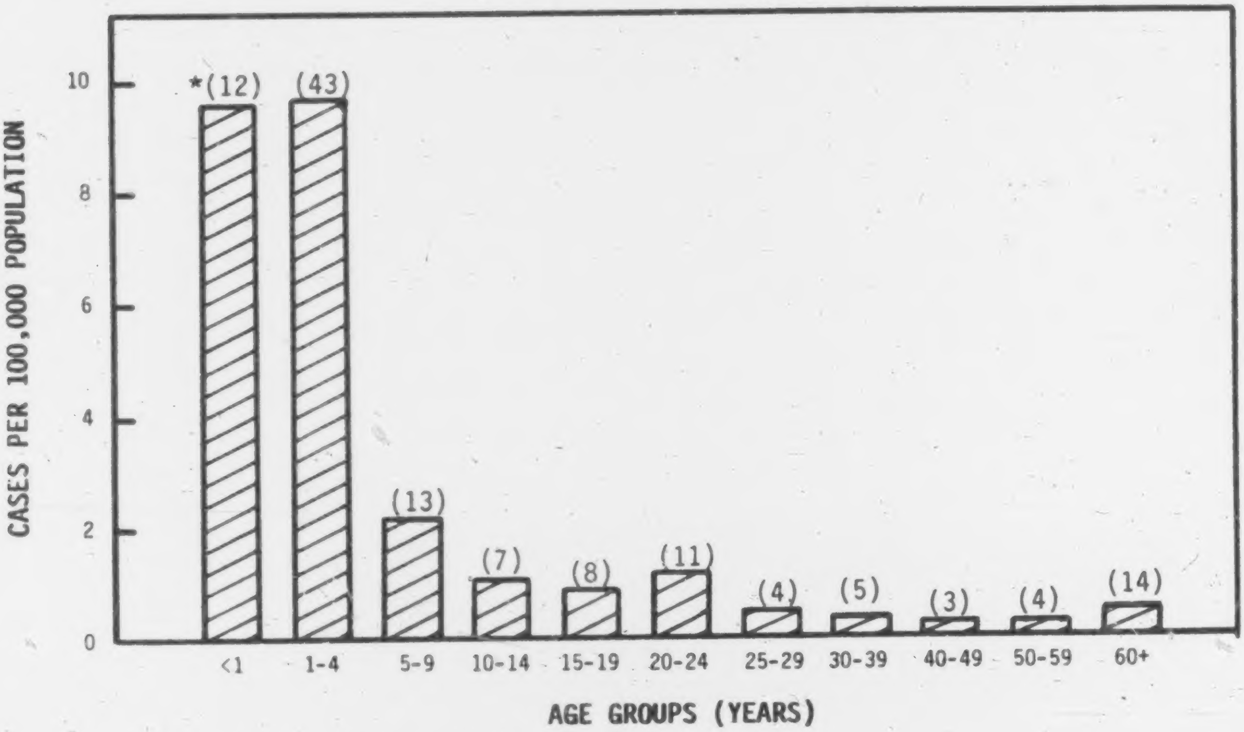
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua						1								1	0.6	1.3
Baker														-	0.0	2.1
Bay		1												1	0.9	3.0
Bradford															0.0	1.7
Brevard		1		1	1							1		4	1.3	1.2
Broward	1		1	2	2	1			1			1		9	0.8	0.8
Calhoun															0.0	3.5
Charlotte															0.0	0.0
Citrus															0.0	2.8
Clay					1			1						2	2.7	1.4
Collier															0.0	3.3
Columbia															0.0	1.9
Dade	2	3	3	3	6		1	1	2	2				23	1.3	2.8
DeSoto															0.0	1.7
Dixie															0.0	0.0
Duval		2	1		1				1	3	3			11	1.9	1.8
Escambia		1	1											2	0.8	1.1
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden									1					1	2.3	5.5
Gilchrist															0.0	5.2
Glades															0.0	0.0
Gulf															0.0	6.3
Hamilton															0.0	3.8
Hardee															0.0	0.0
Hendry															0.0	0.0
Hernando															0.0	2.7
Highlands													1	1	1.8	4.0
Hillsborough	2		2	4				1			1	1		11	1.6	2.4
Holmes															0.0	2.2
Indian River															0.0	2.6
Jackson															0.0	2.5
Jefferson															0.0	0 0
Lafayette															0.0	0.0
Lake			1		1									2	1.7	0.6
Lee		1												1	0.4	3.1
Leon												1		1	0.6	1.3
Levy															0.0	0.0
Liberty															0.0	7.7
Madison															0.0	2.2
Manatee			1		1	1					1			4	2.5	6.2
Marion															0.0	1.5
Martin															0.0	1.5
Monroe															0.0	0.0
Nassau			1				3							4	10.9	3.9
Okaloosa															0.0	1.5
Okeechobee															0.0	6.2
Orange	1	1	1		2	1	2	1		2				11	2.2	2.8
Osceola		2					1							3	4.6	1.8
Palm Beach		1	2	2				1			1			7	1.1	1.9
Pasco				1			1							2	0.9	0.3
Pinellas	3	2	1					3				2		11	1.4	1.2
Polk	1									1				2	0.6	2.2
Putnam															0.0	5.2
St. Johns						1								1	1.6	4.3
St. Lucie															0.0	1.7
Santa Rosa															0.0	0.0
Sarasota					1	1						1		3	1.3	2.1
Seminole											1			1	0.5	2.1
Sumter												1		1	3.8	12.0
Suwanee															0.0	0.0
Taylor															0.0	2.0
Union															0.0	0.0
Volusia	1				3									4	1.4	2.3
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	11	15	15	13	19	6	8	8	5	8	7	8	1	124	1.2	2.0

*1980-1982 Average rate

MENINGITIS, MENIGOCOCCAL - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



MENINGITIS, MENINGOCOCCAL - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

MENINGITIS, OTHER BACTERIAL

In 1983, 325 cases of meningitis, other bacterial (i.e., Group B Streptococcus, Listeria monocytogenes, Streptococcus pneumonia, and Unspecified) were reported. This was an incidence rate of 3.1 cases per 100,000 population, which represented no change from the case rate reported in 1982. The peak age-specific incidence of reported cases occurred in the less than 1 year olds (82.1 per 100,000) followed by the 1-4 year olds (15.5 per 100,000). These two age groups represented 52.9% of the total cases reported. This is consistent with the fact that nearly 70% of all reported cases of bacterial meningitis in the U.S. occur in children less than 5 years of age. The incidence rate in age groups 5 years of age and above remained low and fairly constant.

Bacterial meningitis (excluding Haemophilus influenzae and Neisseria meningitidis cases were reported from 45 (67.2%) of Florida's 67 counties. There was no definable geographic clustering of cases within Florida. Most of the cases were accounted for by the major population centers in the state.

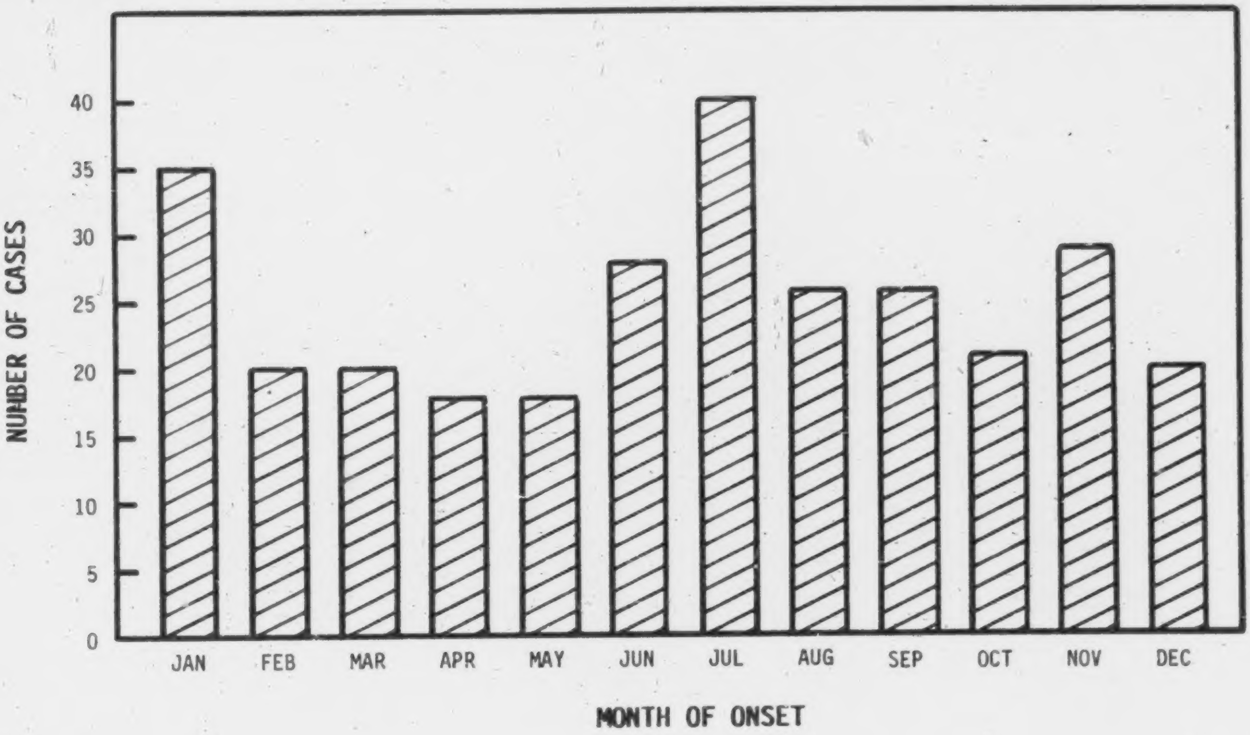
The number of reported cases by month of onset was constant throughout the year, averaging around 26 per month, peaking slightly in January (35) and July (40).

MENINGITIS, OTHER BACTERIAL - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

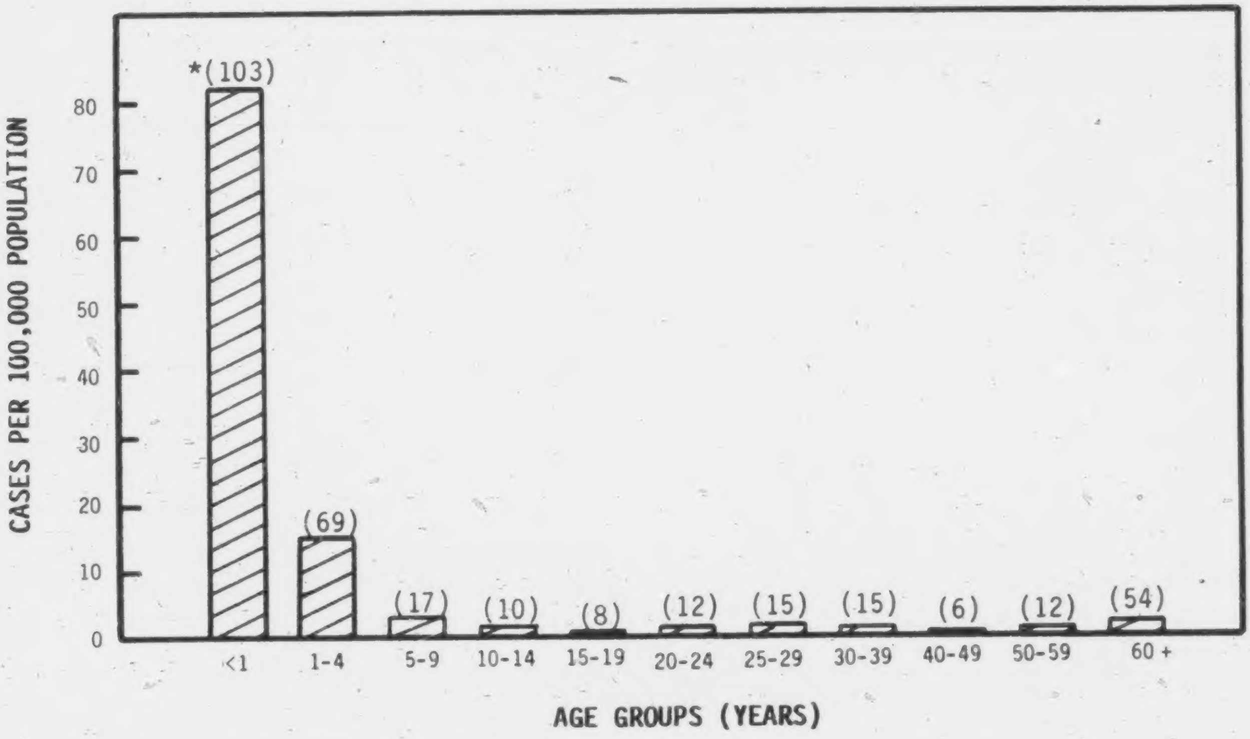
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. * MEAN
Alachua			1		1		2							4	2.5	--
Baker						1		2						3	18.0	--
Bay										1			1	2	1.8	--
Bradford															0.0	--
Brevard			1	5		2		1	1					10	3.2	--
Broward	1	2	2	1	1	3	2	4		1	5	1	1	24	2.2	--
Calhoun															0.0	--
Charlotte															0.0	--
Citrus							1		1					2	3.0	--
Clay								1						1	1.3	--
Collier			1							1				2	1.9	--
Columbia										1				1	2.6	--
Dade	1		3		2	2	4	2	2	2	3	1	2	24	1.4	--
DeSoto		1												1	4.8	--
Dixie		1							1					2	22.5	--
Duval	2		2	1	1		2		1	2	8	5		24	4.1	--
Escambia				1	1									2	0.8	--
Flagler					1									1	7.1	--
Franklin															0.0	--
Gadsden															0.0	--
Gilchrist															0.0	--
Glades															0.0	--
Gulf															0.0	--
Hamilton															0.0	--
Hardee				1									1	2	10.1	--
Hendry															0.0	--
Hernando															0.0	--
Highlands	1										1	1		3	5.5	--
Hillsborough	5	1	1	1	4	3	5	1	3	2	2	1	1	30	4.3	--
Holmes															0.0	--
Indian River				2	1	1	3	1					2	10	14.3	--
Jackson				1										1	2.5	--
Jefferson															0.0	--
Lafayette															0.0	--
Lake															0.0	--
Lee				1									2	3	1.3	--
Leon	4			1	2	1	3	2	1	2				16	10.1	--
Levy				1										1	4.6	--
Liberty															0.0	--
Madison	1													1	6.5	--
Manatee															0.0	--
Marion					1		2	1			1			5	3.5	--
Martin		1												1	1.3	--
Monroe										1				1	1.5	--
Nassau															0.0	--
Okaloosa	1													1	0.8	--
Okeechobee													1	1	4.4	
Orange	3	2	1	3	1	2	4	2	2	1	1	2		24	4.7	--
Osceola						1	2	1						4	6.1	--
Palm Beach	5	2	1	1		4	1	1	1	1	2	5		24	3.7	--
Pasco		2			1		1	1		2				7	3.2	--
Pinellas	4	2			1	1		1	1		3			13	1.7	--
Polk	3	2	1	1	2	4	3	3	7	3	2	2	2	35	10.1	--
Putnam							1							1	1.8	--
St. Johns		1			1									2	3.3	--
St. Lucie										1		1		2	1.9	--
Santa Rosa								1						1	1.7	--
Sarasota		2	2		1			1	1			1		8	3.5	--
Seminole				1	1	2			2					6	2.9	--
Sumter	1													1	3.8	--
Suwanee													1	1	4.1	--
Taylor															0.0	--
Union															0.0	--
Volusia	2	1	4	1		1	4		2		1			16	5.6	--
Wakulla															0.0	--
Walton	1													1	4.4	--
Washington															0.0	--
STATE TOTAL	35	20	20	23	23	28	40	26	26	21	29	20	14	325	3.1	--

*Not Available

MENINGITIS, OTHER BACTERIAL - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



MENINGITIS, OTHER BACTERIAL - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

HEPATITIS A

In 1983, 961 cases of hepatitis A were reported to the state, which represents a 14.4% decrease from the total number of cases reported in 1982 (1,123) and the third consecutive year of decline. The case rate in 1983 (9.0 per 100,000) declined 15.1% from the rate in 1982 (10.6 per 100,000).

The month with the peak number of cases was January (132), while December had the fewest (48). The general trend was that of a decreasing number of cases as the year progressed.

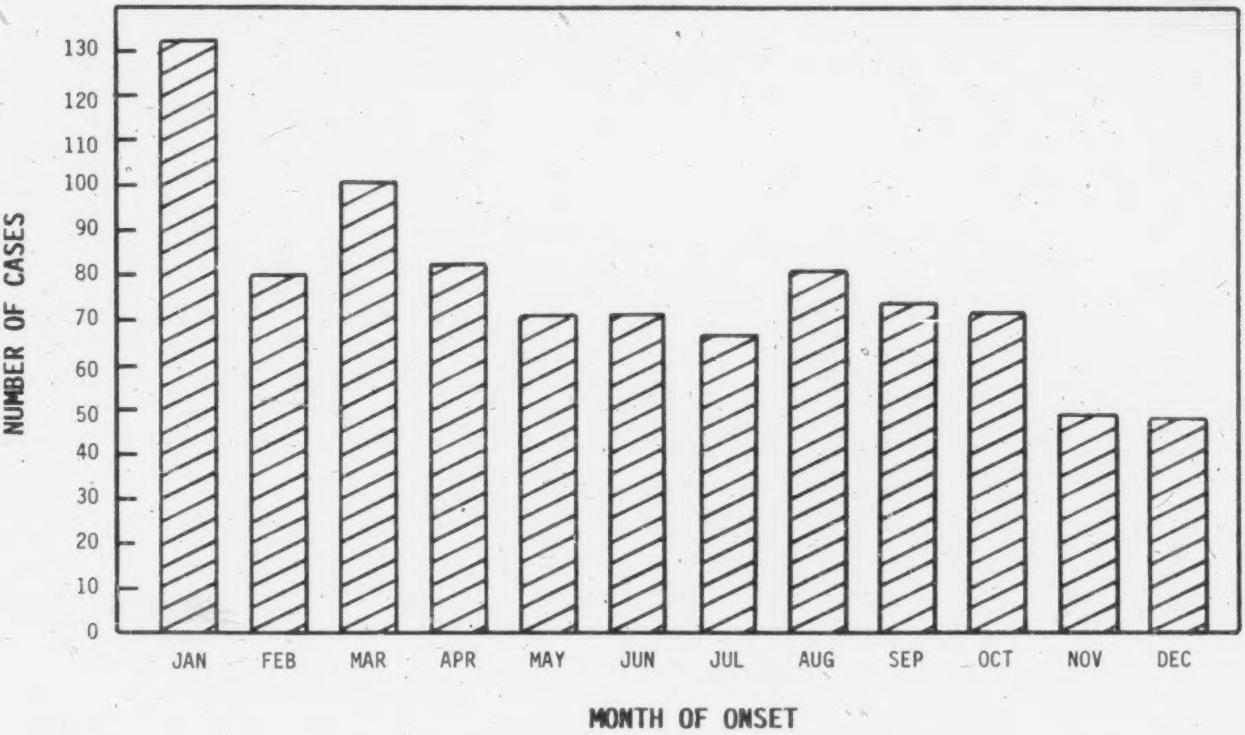
The distribution of cases among age groups was similar to previous years. Young adults aged 20-29 years had the highest reported rate of illness (18.0 per 100,000); however this was a 22.1% decrease from 1982 (23.1 per 100,000). Low rates were reported for children less than 5 years of age who, when infected, frequently have subclinical infection or non-specific mild illness and are probably underdiagnosed.

HEPATITIS A - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

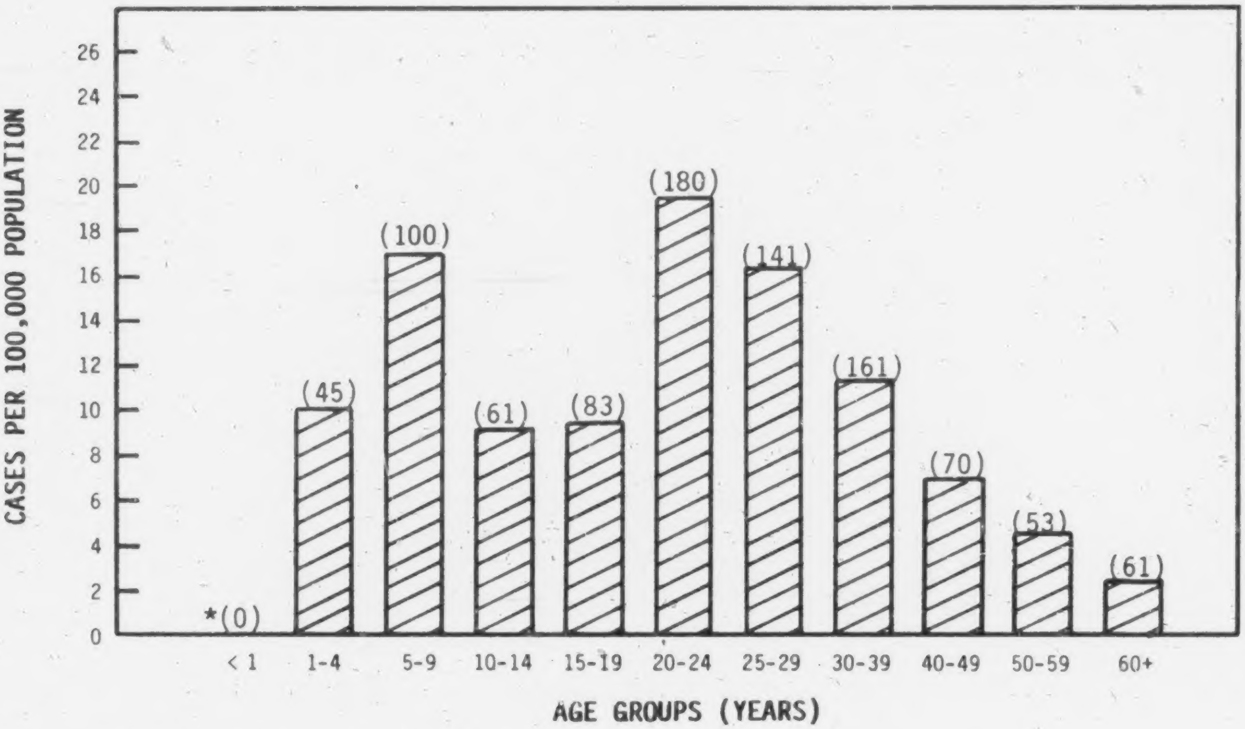
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua	2					1		3	2					8	4.9	11.2
Baker							1					1		2	12.0	4.2
Bay							1				1			2	1.8	3.3
Bradford															0.0	9.9
Brevard	6	7	2	1		2						1	3	22	7.1	7.6
Broward	34	10	6	6	8	4	5	6	5	2	1	5	4	96	8.9	18.3
Calhoun										1				1	10.8	3.5
Charlotte								3	1					4	5.7	3.7
Citrus	2	1			1	1								5	7.5	3.8
Clay		2				1	1					1		5	6.7	4.3
Collier	3	5	3	3	5	1	5	5	2	3	3	2		40	38.6	27.1
Columbia	1													1	2.6	0.0
Dade	13	3	5	4	4	6	3	7	5	6	4	4	5	69	4.0	6.8
DeSoto	1	2							3	1		1		8	38.6	34.2
Dixie															0.0	0.0
Duval	1	3	1	1	1	1	3	1	1	1	1	3		18	3.1	7.2
Escambia													4	4	1.6	4.6
Flagler															0.0	13.4
Franklin													1	1	12.6	12.9
Gadsden															0.0	0.0
Gilchrist								1		6			1	8	119.6	10.4
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	11.5
Hardee	1		1		1	1		1						5	25.3	5.0
Hendry				1	1			4			1		1	8	38.5	3.4
Hernando															0.0	30.2
Highlands	1							2	6	2				11	20.3	17.2
Hillsborough	35	29	43	32	25	16	8	15	5	13	5	2	2	230	33.0	18.9
Holmes			3											3	19.9	4.4
Indian River									2					2	2.9	2.1
Jackson				1				1						2	5.1	16.7
Jefferson															0.0	6.2
Lafayette											1			1	23.9	0.0
Lake		1	1			1	1			1	1	3	1	10	8.6	22.7
Lee	1			3	4	1	3	6	11	9	4		1	43	18.1	11.5
Leon	1							1	4	1		1	1	9	5.6	16.1
Levy										1				1	4.6	1.6
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee	3	1	1	1	4	4	3	1				1		19	11.7	25.3
Marion	2	1			1			2				1		7	4.9	7.4
Martin	2		2											4	5.3	45.3
Monroe		1	1	1						1	6		1	11	16.5	65.2
Nassau															0.0	9.8
Okaloosa	1		2	2	1						1			7	5.7	1.8
Okeechobee	2												2	4	17.4	35.9
Orange			2	1	3	5	6	2	3	2		3		27	5.3	26.1
Osceola	1			1	2		1	4	2	6		1		18	27.7	10.6
Palm Beach	5	2	8	6	4	6	6	1	2	4	6	8		58	8.8	25.0
Pasco	1		1	6	1	1	1	3			4			18	8.2	14.1
Pinellas	1	1	11	3	3	4	8	4	2	2	3	2		44	5.7	6.5
Polk	4	6		3	1	4	3	4	4	4	3	1	1	38	11.0	29.9
Putnam						1		2		3		4		10	18.3	1.9
St. Johns		1	2			2			1					6	9.9	13.5
St. Lucie	2	1				1			1					5	4.7	17.0
Santa Rosa															0.0	4.6
Sarasota	1	1	2	2			5	1					4	16	7.1	16.1
Seminole			1		1	1	1	1	1			2	1	9	4.4	42.4
Sumter															0.0	21.3
Suwanee	1													1	4.1	5.7
Taylor									1					1	5.7	17.7
Union	3		2	2		2			4					13	125.8	31.9
Volusia	1	2	1	2		4	1		6	3	4	1		25	8.7	67.7
Wakulla															0.0	6.1
Walton							1							1	4.4	0.0
Washington															0.0	4.5
STATE TOTAL	132	80	101	82	71	71	67	81	74	72	49	48	33	961	9.0	16.1

*1980-1982 Average rate

HEPATITIS A - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983

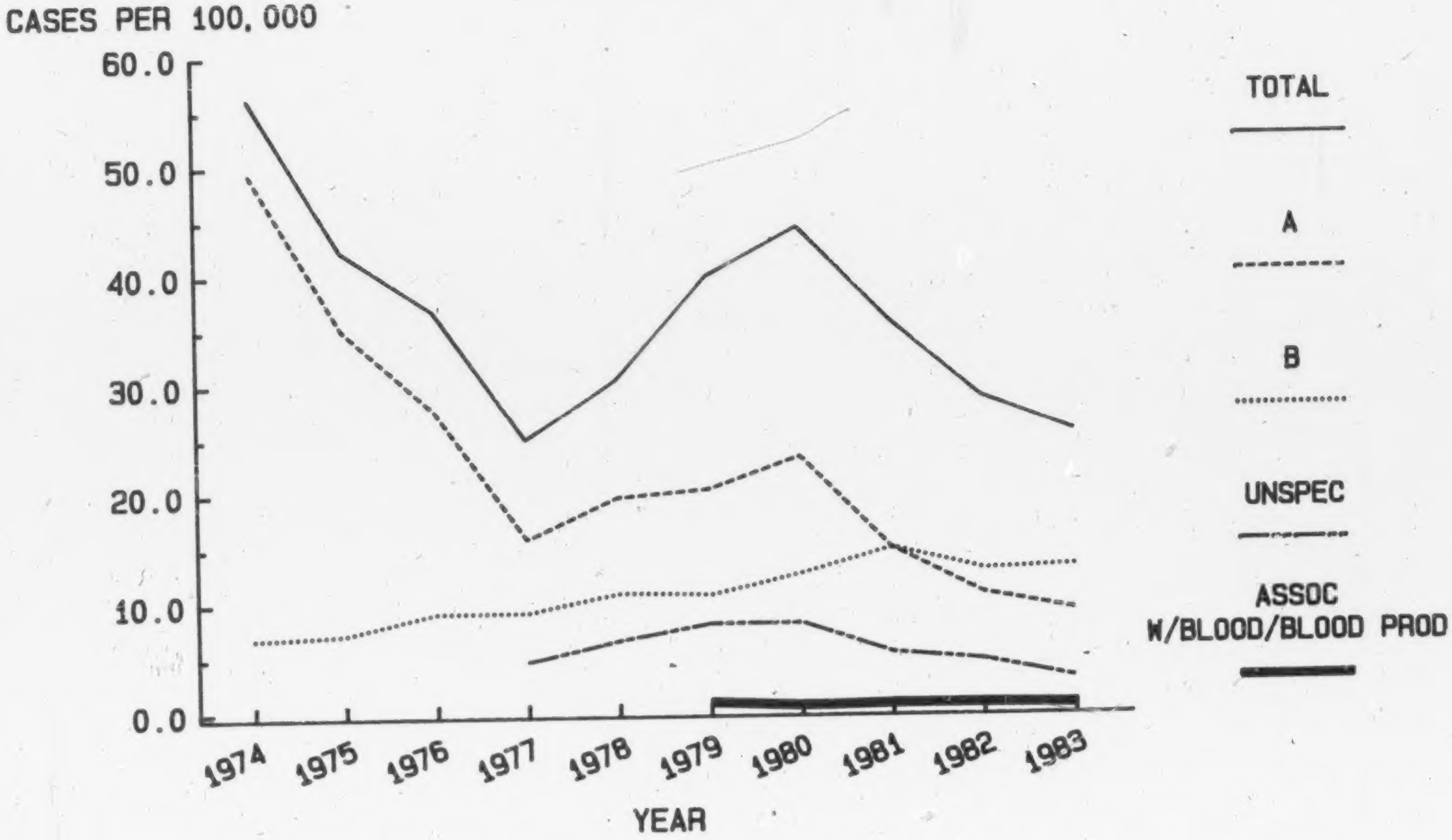


HEPATITIS A - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

HEPATITIS-REPORTED CASE RATES BY YEAR
FLORIDA 1974-1983



HEPATITIS B

In 1983, 1,398 cases of hepatitis B were reported to the state, which represents a 3.0% increase from the total number of cases reported in 1982 (1,356). The case rate in 1983 (13.1 per 100,000) increased 2.3% from the rate in 1982 (12.8 per 100,000). The number of cases remained fairly uniform throughout the year.

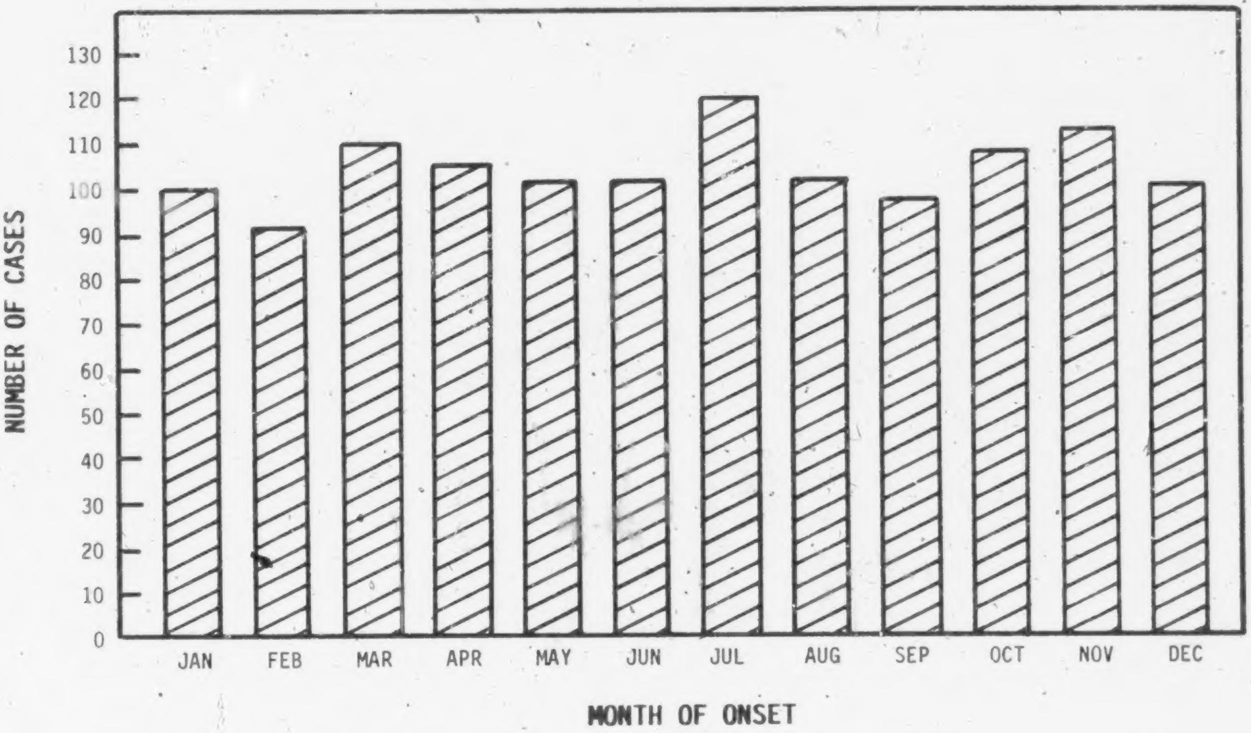
The age groups with the highest case rates were the 20-24 year olds and 25-29 year olds (35.6 and 31.4 per 100,000, respectively).

HEPATITIS B - REPORTED CASES BY MONTH OF ONSET AND RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

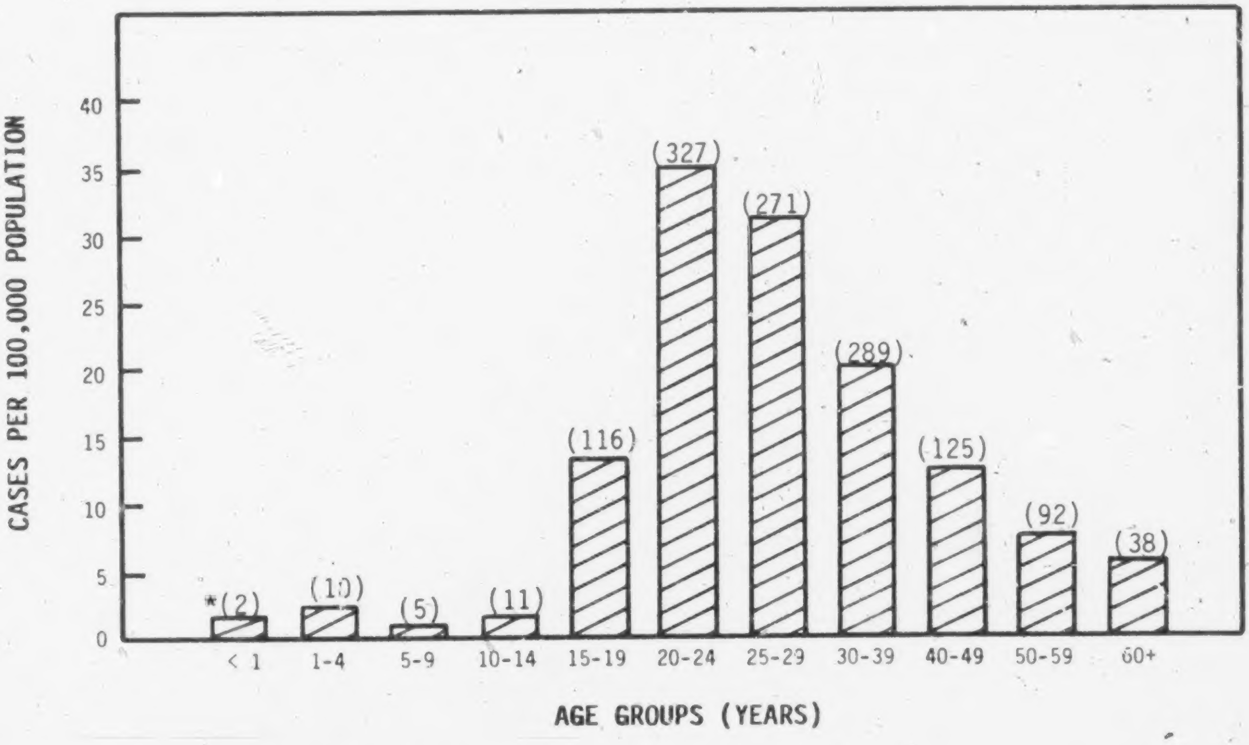
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua			2	3		5	1		2	2	3	1		19	11.6	6.4
Baker					1									1	6.0	0.0
Bay							2	1			1			4	3.7	4.0
Bradford															0.0	13.2
Brevard	1	1	2	4	4	1	2		1	3	3	2	6	30	9.6	12.5
Broward	8	10	19	19	16	21	13	17	13	14	19	13	19	201	18.5	18.7
Calhoun													1	1	10.8	3.5
Charlotte		1						2						3	4.2	8.0
Citrus						3			1			1		5	7.5	3.9
Clay		1	2					2				4		9	12.0	5.7
Collier		3	3	1	1	1	2	1	1	2	6	3		24	23.2	13.4
Columbia															0.0	2.8
Dade	5	5	9	4	12	12	10	7	14	10	14	8	12	122	7.0	10.9
DeSoto								1				1		2	9.7	5.1
Dixie															0.0	4.1
Duval	5	3	6	3	5	1	4	1	3	2	1	5	12	51	8.7	12.6
Escambia	1		2	1	1	1	3	2			1	2	6	20	8.0	7.6
Flagler															0.0	10.8
Franklin															0.0	8.6
Gadsden				1			3			1				5	11.6	4.7
Gilchrist															0.0	5.2
Glades															0.0	5.4
Gulf		1											1	2	18.1	0.0
Hamilton							1							1	11.2	7.7
Hardee					1	1							1	3	15.2	
Hendry					1				1	1				3	14.4	1.7
Hernando	1												1	2	3.5	12.1
Highlands															0.0	0.0
Hillsborough	2	12	10	8	6	3	8	10	3	6	7	6	7	88	12.6	11.8
Holmes															0.0	2.2
Indian River				1									2	3	4.3	5.7
Jackson	1													1	2.5	6.7
Jefferson															0.0	0.0
Lafayette															0.0	8.3
Lake				1			2			1				4	3.4	5.8
Lee	2	6	3	4	6	4	4	6	4	4	5	1	19	68	28.6	16.9
Leon	1	2	1	1	1	1	2	1	1			1		12	7.5	13.3
Levy	1													1	4.6	0.0
Liberty															0.0	7.7
Madison	2			1										3	19.6	4.4
Manatee	1		1	2	2	2	3			3	3	1	5	23	14.2	13.1
Marion	1	1	2	3	1	2	2		1		1	1	8	23	16.0	5.6
Martin	2				1		3	1	1			1	4	13	17.4	12.7
Monroe	4	2	1	3	2	3	1	3		2	2		1	24	35.9	33.1
Nassau															0.0	1.0
Okaloosa	2		1	4	1	3			3	1				15	12.1	10.9
Okeechobee												1	1	2	8.7	12.5
Orange	12	9	8	8	7	12	10	8	9	11	8	10	3	115	22.5	28.3
Osceola	1	1			2	2	4	2	2	1	4	1		20	30.7	11.8
Palm Beach	8	7	8	5	7	7	7	10	9	11	8	11	1	99	15.1	14.7
Pasco	5		6	1		1	1	2	1	5	3	3		28	12.8	9.6
Pinellas	7	7	9	10	5	5	11	7	10	11	6	7	2	97	12.6	11.8
Polk	3	6	6	2	4	4	6	3	5	5	6	6	7	63	18.2	13.2
Putnam															0.0	2.6
St. Johns	1	1		1	1	1	1		1	1				8	13.1	8.6
St. Lucie	2	1	2	1	2	1		1	1	2		2		15	14.1	10.0
Santa Rosa	1				1	1	1	1		1	3	1		10	16.5	16.2
Sarasota	3	1	4	5	3	2		4	1	1	2		11	37	16.4	15.1
Seminole	4	3			2	1	3	4	2			1	7	27	13.3	16.8
Sumter		1				1					1			3	11.5	6.7
Suwanee							1	1						2	8.2	4.3
Taylor		2		1	1					1		1		6	34.4	9.8
Union	2		2	1					4				1	10	96.8	60.6
Volusia	11	4	1	6	5		9	4	3	6	4	4	8	65	22.7	30.2
Wakulla											2	1	1	4	35.2	21.2
Walton		1												1	4.4	1.5
Washington															0.0	8.9
STATE TOTAL	100	92	110	105	102	102	120	102	97	108	113	100	147	1398	13.1	13.4

*1980-1982 Average rate

HEPATITIS B - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



HEPATITIS B - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

HEPATITIS NON-A, NON-B
ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS

In 1983, 56 cases of non-A non-B (NANB) hepatitis associated with blood or blood products were reported to the state, which represents a 25.3% decrease from the total number of cases reported in 1982 (75). The case rate in 1983 (0.5 per 100,000) was 28.6% lower than the rate for 1982 (0.7 per 100,000).

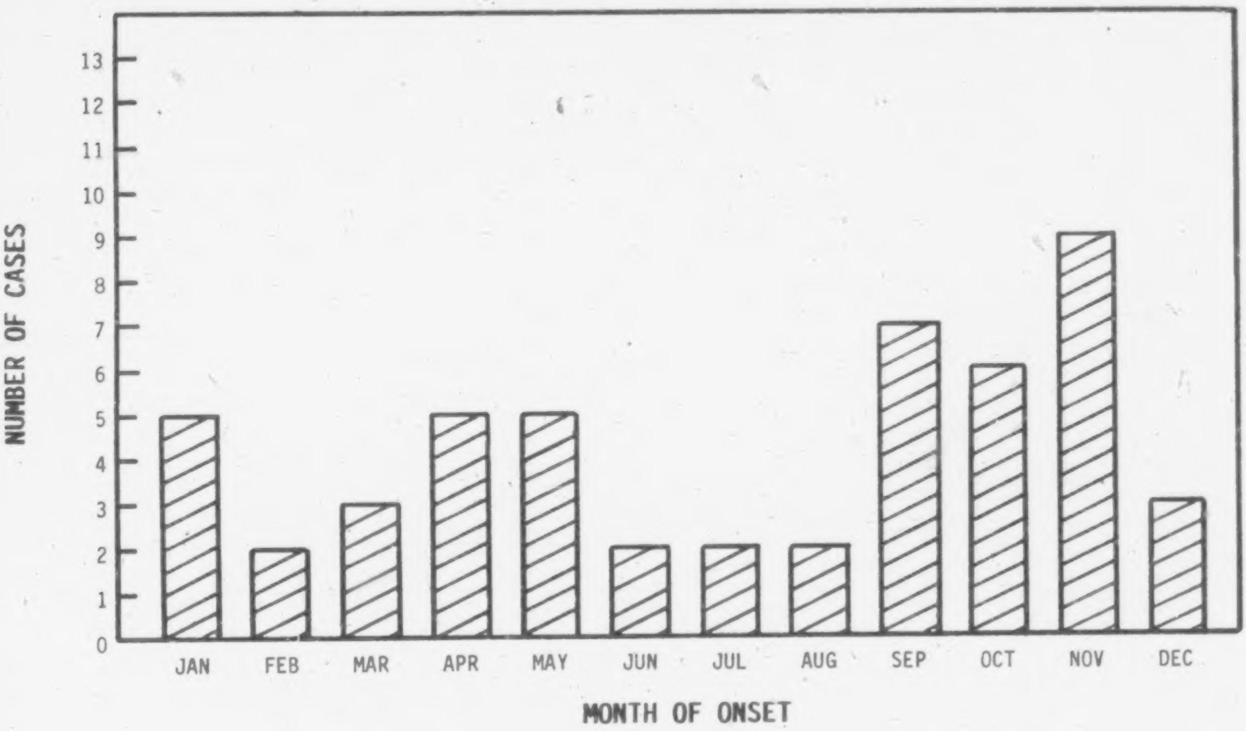
The age groups with the highest case rates were the 50-59 year olds and those 60 years of age and older (0.8 and 0.9 per 100,000, respectively).

HEPATITIS NANB ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

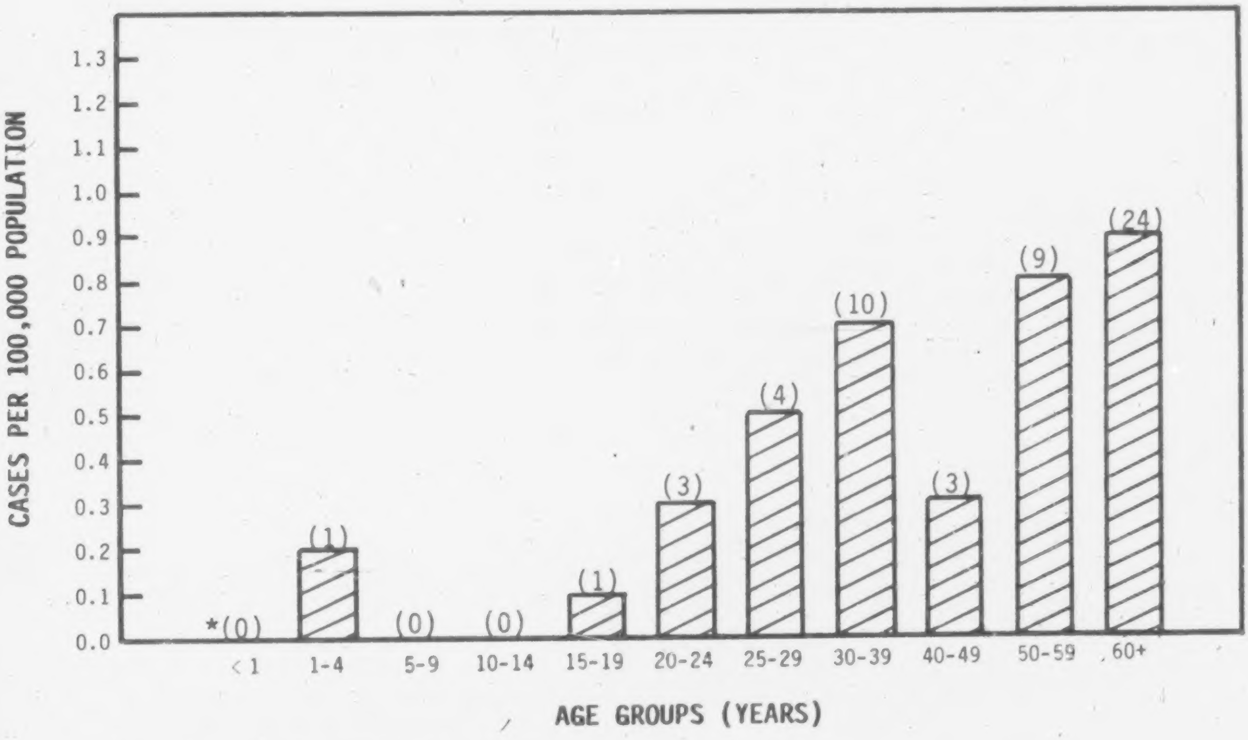
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua															0.0	0.4
Baker															0.0	0.0
Bay															0.0	0.0
Bradford															0.0	1.7
Brevard	1													1	0.3	0.4
Broward					2	1	1	1		2			2	9	0.8	0.9
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus															0.0	0.0
Clay															0.0	0.5
Collier															0.0	1.8
Columbia													1	1	2.6	0.9
Dade	2	1			1									4	0.2	0.6
DeSoto											1			1	4.8	0.0
Dixie															0.0	0.0
Duval										1			1	2	0.3	0.2
Escambia															0.0	0.6
Flagler															0.0	0.0
Franklin															0.0	4.3
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry															0.0	0.0
Hernando															0.0	0.0
Highlands															0.0	0.0
Hillsborough					1					2				3	0.4	0.3
Holmes															0.0	0.0
Indian River															0.0	0.0
Jackson															0.0	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake											2			2	1.7	0.0
Lee					1									1	0.4	0.9
Leon	1													1	0.6	0.4
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee															0.0	0.0
Marion									2		1			3	2.1	0.0
Martin				1					1	1			1	4	5.3	1.9
Monroe									1					1	1.5	4.1
Nassau															0.0	1.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange	1			1							1			3	0.6	1.7
Osceola															0.0	0.0
Palm Beach			1	2		1	1	1				2		8	1.2	1.2
Pasco											1			1	0.5	0.2
Pinellas		1	2											3	0.4	1.4
Polk				1										1	0.3	0.3
Putnam															0.0	0.0
St. Johns											1			1	1.6	0.0
St. Lucie															0.0	0.0
Santa Rosa															0.0	1.2
Sarasota															0.0	0.2
Seminole									3		1			4	2.0	0.0
Sumter															0.0	0.0
Suwanee															0.0	0.0
Taylor															0.0	0.0
Union															0.0	0.0
Volusia											1	1		2	0.7	1.0
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	5	2	3	5	5	2	2	2	7	6	9	3	5	56	0.5	0.7

*1980-1982 Average rate

HEPATITIS NANB ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



HEPATITIS NANB ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

HEPATITIS NON-A, NON-B
NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS

In 1983, 196 cases of non-A non-B (NANB) hepatitis not associated with blood or blood products were reported to the state, representing a 7.1% increase from the total number of cases reported in 1982 (183). The case rate in 1983 (1.8 per 100,000) increased by 5.9% from the rate in 1982 (1.7 per 100,000).

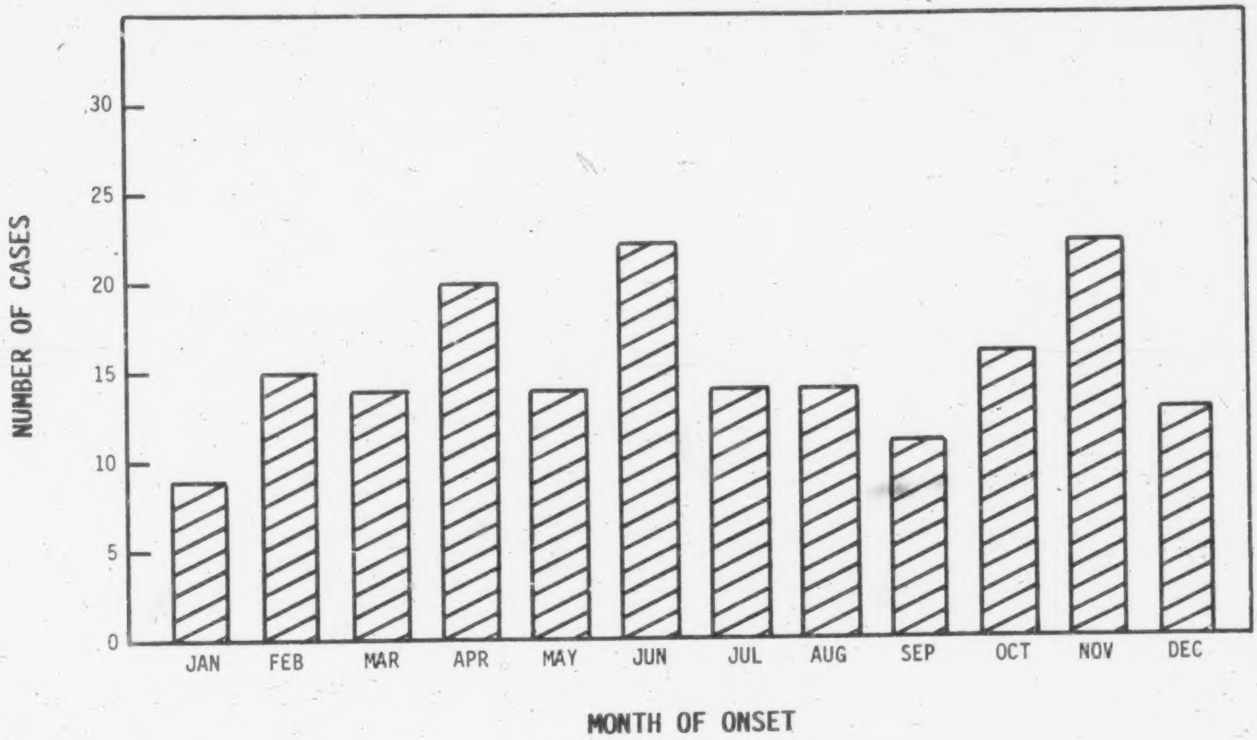
The age groups with the highest case rates were the 20-24 and 25-29 year olds (4.8 and 3.7 per 100,000, respectively).

HEPATITIS NANB NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

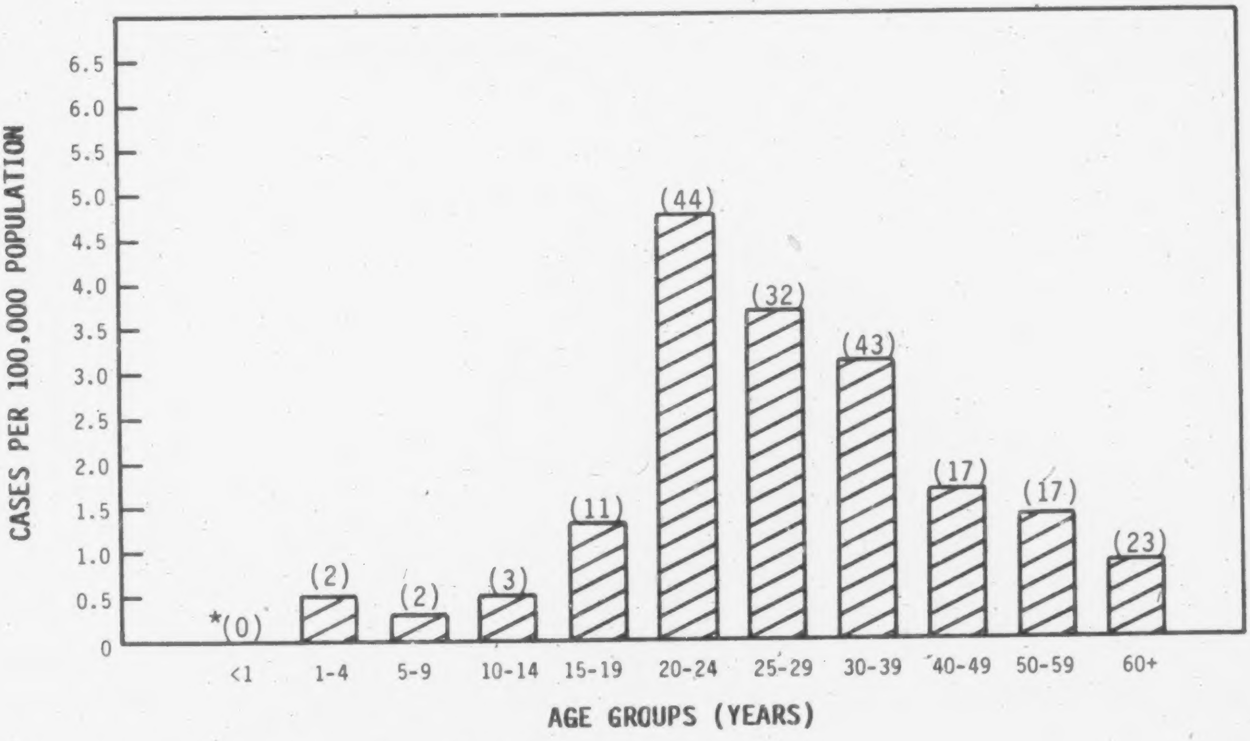
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. * MEAN
Alachua		1	2							1				4	2.5	0.6
Baker															0.0	0.0
Bay															0.0	0.0
Bradford															0.0	0.0
Brevard			1		1					1	1		1	5	1.6	0.3
Broward		1	1	1	1	2	3	4			1	3	2	19	1.8	0.9
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus															0.0	0.0
Clay															0.0	0.0
Collier			1			1								2	1.9	3.2
Columbia															0.0	0.0
Dade	1		1	2	1	3	1	3	1	2	2	1	1	19	1.1	0.6
DeSoto															0.0	0.0
Dixie															0.0	0.0
Duval	1	1				1							1	4	0.7	1.0
Escambia		1		1										2	0.8	0.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry															0.0	0.0
Hernando															0.0	0.0
Highlands															0.0	0.0
Hillsborough				3	2	1	1		1				1	9	1.3	0.5
Holmes															0.0	0.0
Indian River															0.0	0.0
Jackson															0.0	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake											1			1	0.9	0.0
Lee	1						1			1			1	4	1.7	1.6
Leon				1			2	3		2		1		9	5.6	3.6
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee								1						1	0.6	0.0
Marion									1					1	0.7	4.1
Martin				1		2					1			4	5.3	0.0
Monroe							1							1	1.5	7.7
Nassau															0.0	0.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange	2	7	2	1		4	2	1	2	5	6	4		36	7.0	6.1
Osceola			1			1			1		1			4	6.1	0.8
Palm Beach	1	1		5	3	3	2	1	1	3	3	3	1	27	4.1	4.6
Pasco						1								1	0.5	1.4
Pinellas	2	1	2	1	4	3		1	3	1		1	2	21	2.7	1.6
Polk															0.0	0.6
Putnam															0.0	0.0
St. Johns	1				1									2	3.3	0.0
St. Lucie															0.0	0.5
Santa Rosa					1						1			2	3.3	0.0
Sarasota															0.0	0.0
Seminole															0.0	2.1
Sumter															0.0	0.0
Suwanee							1		1					2	8.2	0.0
Taylor															0.0	2.9
Union															0.0	0.0
Volusia		2	3	4							4		2	15	5.2	3.1
Wakulla											1			1	8.8	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	9	15	14	20	14	22	14	14	11	16	22	13	12	196	1.8	1.4

*1980-1982 Average rate

HEPATITIS NANB NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



HEPATITIS NANB NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

HEPATITIS UNSPECIFIED

In 1983, 295 cases of hepatitis unspecified were reported to the state, which represents a 38.2% decrease from the total number of cases reported in 1982 (477). The case rate in 1983 (2.8 per 100,000) decreased by 37.8% from the rate in 1982 (4.5 per 100,000).

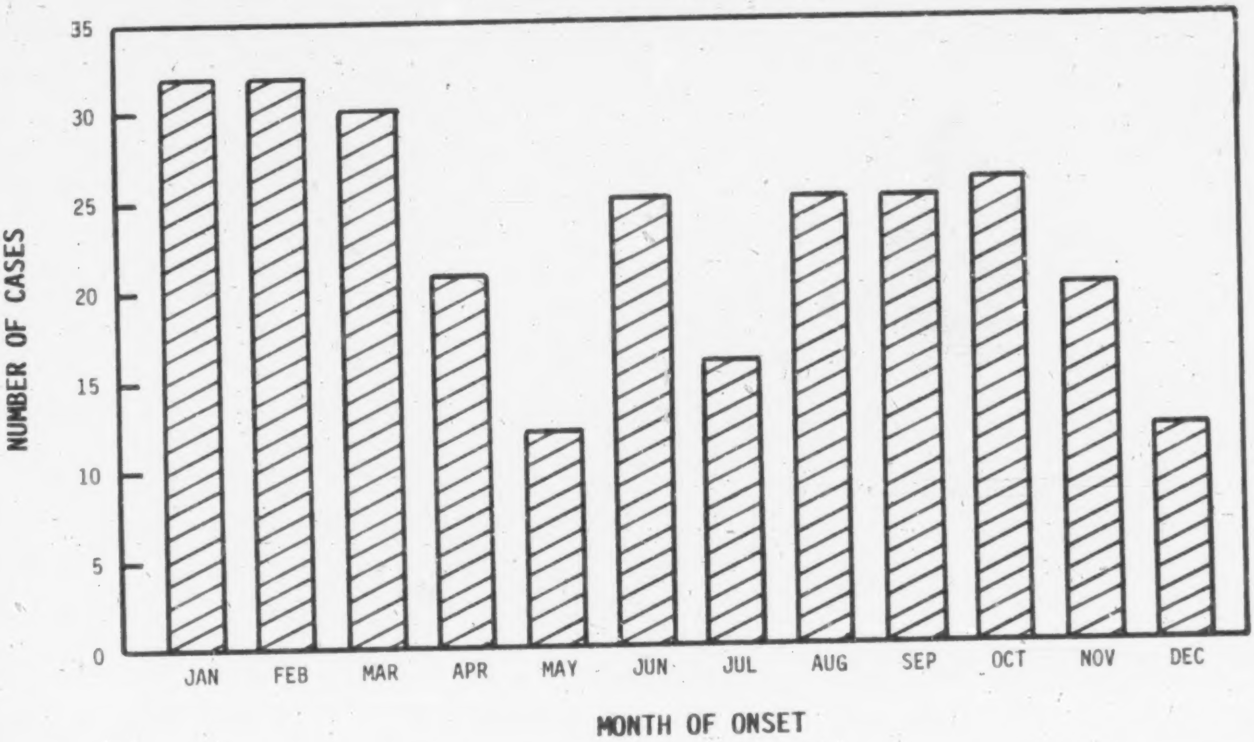
The highest age-specific case rates occurred among the 25-29 year olds and the 20-24 year olds (6.6 and 6.4 per 100,000, respectively).

HEPATITIS UNSPECIFIED - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY - FLORIDA, 1983

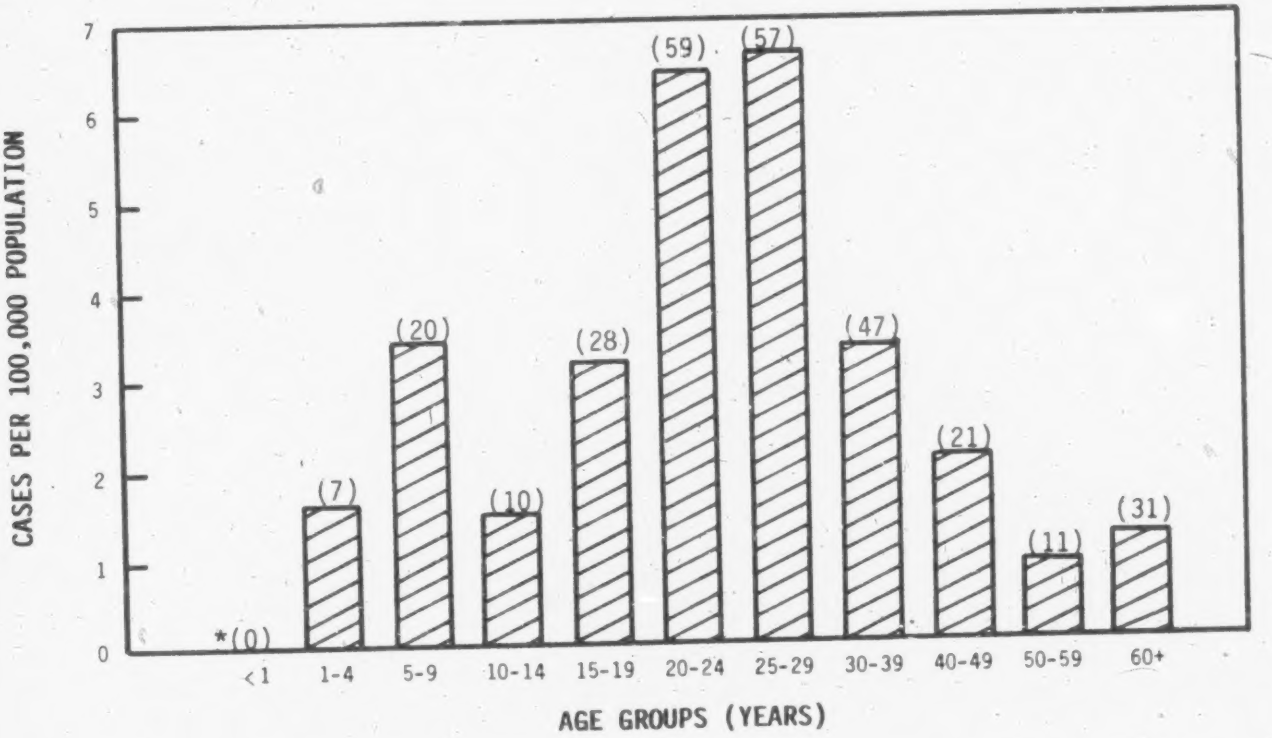
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua			1											1	0.6	2.1
Baker															0.0	2.1
Bay		1							1		2			4	3.7	3.3
Bradford															0.0	3.3
Brevard	1			1	2	1								5	1.6	1.9
Broward	12	4	5	3	3	3	2	4	3	3	7	1	1	51	4.7	7.0
Calhoun															0.0	7.1
Charlotte															0.0	3.2
Citrus															0.0	6.6
Clay															0.0	4.7
Collier	1					1	2	1		3				8	7.7	6.9
Columbia															0.0	3.7
Dade			5	3	1	1	1		2	5			4	22	1.3	4.9
DeSoto						1								1	4.8	3.4
Dixie															0.0	4.1
Duval		2				1								3	0.5	3.5
Escambia															0.0	0.1
Flagler															0.0	2.7
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	5.4
Gulf															0.0	0.0
Hamilton															0.0	3.8
Hardee		1	1											2	10.1	0.0
Hendry		1												1	4.8	0.0
Hernando															0.0	0.0
Highlands															0.0	0.0
Hillsborough	4	1	2	3	3	3		5	1	2	3		2	29	4.2	5.2
Holmes															0.0	0.0
Indian River		1					2	2	2			1	2	10	14.3	10.4
Jackson								1		1	1			3	7.6	5.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake							1							1	0.9	9.2
Lee			2			1	2	2			1	2		10	4.2	11.2
Leon	1	2	3				2		1					9	5.6	10.7
Levy															0.0	3.2
Liberty															0.0	0.0
Madison		1												1	6.5	4.4
Manatee	1					1			2	1	1		2	8	4.9	3.2
Marion															0.0	5.6
Martin		1												1	1.3	1.9
Monroe									1					1	1.5	14.5
Nassau			1							1				2	5.5	9.8
Okaloosa															0.0	2.6
Okeechobee															0.0	6.2
Orange	3	1	3	3	2	7		2	4	1		1		27	5.3	12.2
Osceola								1						1	1.5	5.3
Palm Beach		2	3	2	1		1	1		1	4			15	2.3	4.3
Pasco		1										1		2	0.9	2.1
Pinellas				1					1			1		3	0.4	3.5
Polk	5	9	2	3		1	3	3	5	4	1	3	6	45	13.0	20.9
Putnam															0.0	0.6
St. Johns						2				1				3	4.9	2.5
St. Lucie	2		1	1						1				5	4.7	5.9
Santa Rosa															0.0	1.7
Sarasota	1	1								2			1	5	2.2	3.6
Seminole		1	1	1				2				1	1	7	3.4	15.2
Sumter															0.0	4.0
Suwanee		1												1	4.1	4.3
Taylor	1													1	5.7	3.9
Union												1		1	9.7	25.5
Volusia		1				2		1	2					6	2.1	8.0
Wakulla															0.0	3.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	32	32	30	21	12	25	16	25	25	26	20	12	19	295	2.8	5.9

*1980-1982 Average rate

HEPATITIS UNSPECIFIED - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



HEPATITIS UNSPECIFIED - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

CAMPYLOBACTERIOSIS

In 1983, 852 cases of campylobacteriosis were reported to the state. The case rate per 100,000 population was 8.0. 1983 represents the first complete year during which campylobacteriosis was a notifiable disease (the disease was not considered a notifiable disease before mid 1982).

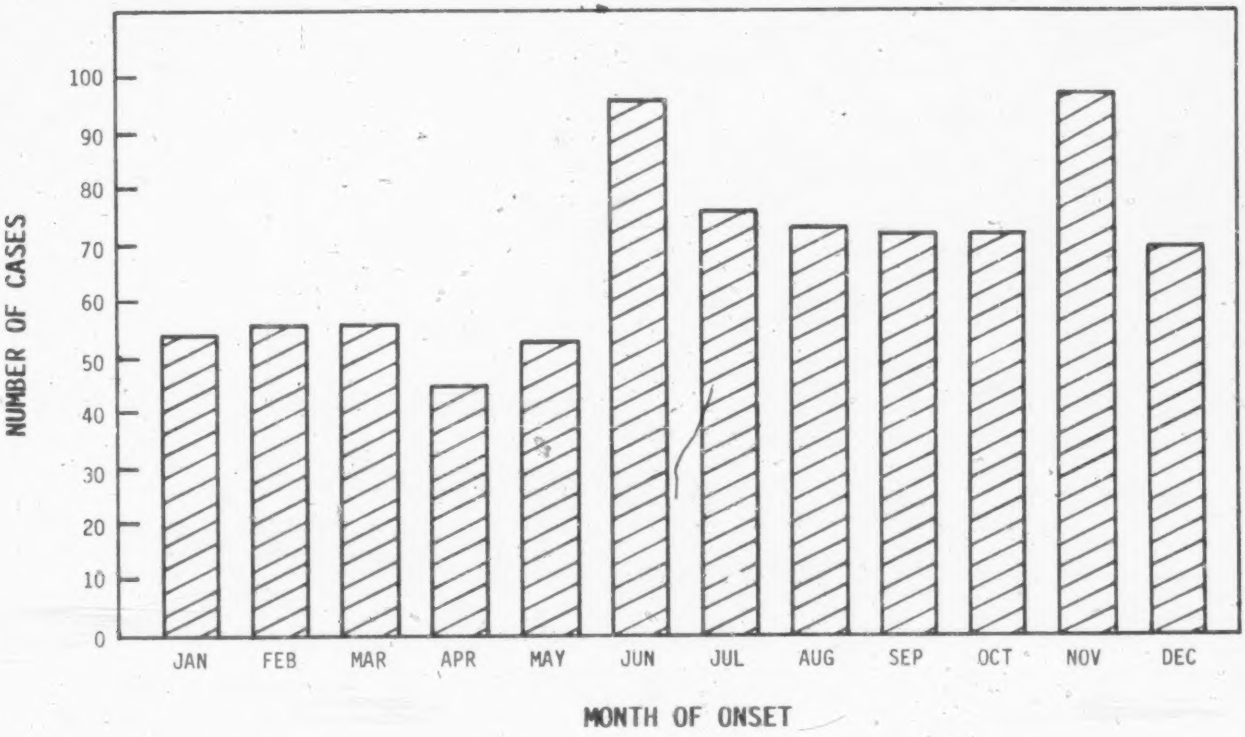
The highest age-specific incidence rate per 100,000 was in the less than 1 year old age group (35.1 per 100,000) followed by those aged 1-4 (30.8 per 100,000). A second peak was observed in the 20-24 year olds and 25-29 year olds (14.8 and 11.1 per 100,000, respectively).

CAMPYLOBACTERIOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

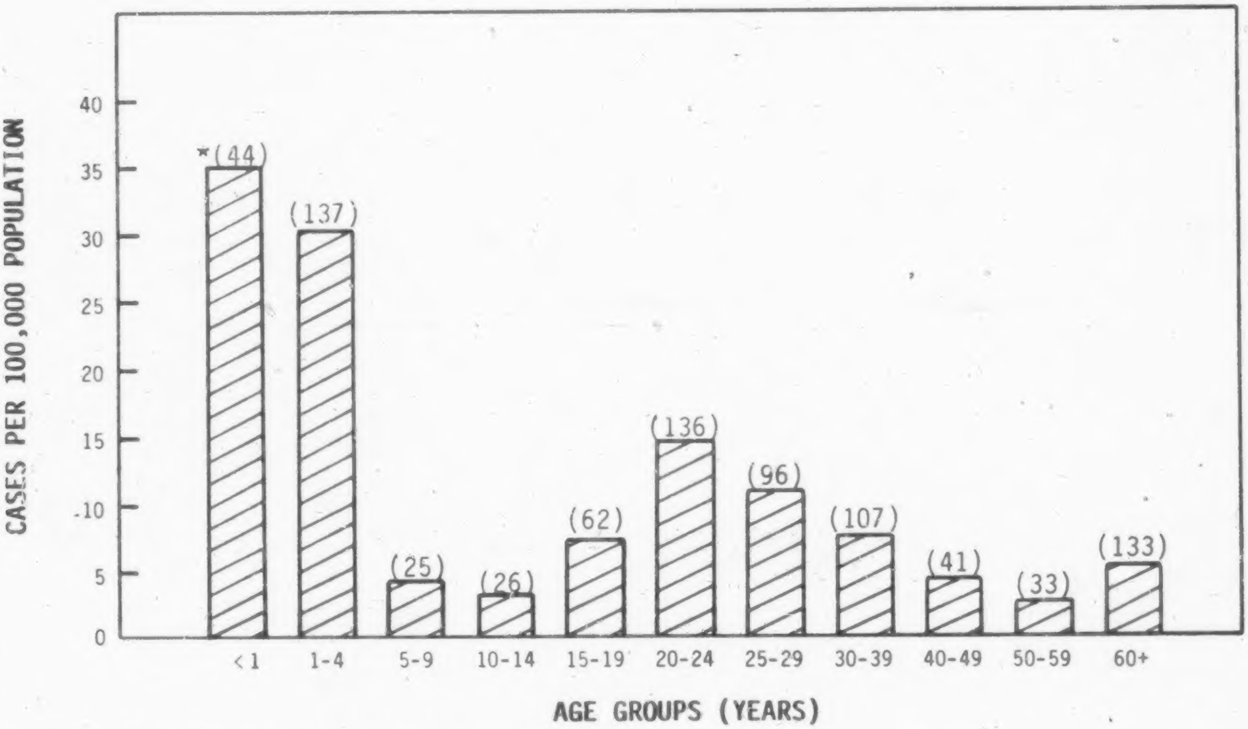
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua	4	5	2	2	1	5	2	1	4	3	3	3		35	21.4	11.0
Baker															0.0	3.1
Bay							1		2	4	1			8	7.4	0.0
Bradford															0.0	0.0
Brevard			1	1										2	0.6	0.2
Broward	8	7	9	8	9	17	14	8	12	16	20	10	4	142	13.1	8.1
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus		1		1				1						3	4.5	0.8
Clay							2				1			3	4.0	2.1
Collier	1	1	3	2	1	2	2	5	2	4	7	5		35	33.8	21.6
Columbia							1				1		1	3	7.9	0.0
Dade	3	2	2	2	6	8	8	9	6	5	8	3	13	75	4.3	0.3
DeSoto												1		1	4.8	5.1
Dixie															0.0	0.0
Duval	1	1	1	2		3		1	2	1	1	1	1	15	2.5	2.6
Escambia															0.0	0.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist			1											1	14.9	0.0
Glades	1													1	15.7	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee						1					1			2	10.1	0.0
Hendry															0.0	0.0
Hernando															0.0	0.0
Highlands															0.0	0.0
Hillsborough	2	4	6	1	5	7	3	6	1	9	5	7	1	57	8.2	6.8
Holmes															0.0	0.0
Indian River						2							1	3	4.3	3.8
Jackson															0.0	0.0
Jefferson		1												1	8.9	0.0
Lafayette									1					1	23.9	0.0
Lake								1						1	0.9	0.0
Lee	1	2	3	2	1	2	1	4	4	1	2			23	9.7	2.0
Leon	3	6	6	1	4	4	10	5	4	5	13	4	1	66	41.4	21.0
Levy													2	2	9.2	0.0
Liberty															0.0	0.0
Madison					1									1	6.5	0.0
Manatee											1		1	2	1.2	0.0
Marion			2	1	2				4		1		1	11	7.7	1.5
Martin	2		4	1		3	3	5	2	1	4	1		26	34.8	2.8
Monroe											1			1	1.5	3.9
Nassau												2		2	5.5	11.6
Okaloosa		1			1									2	1.6	0.9
Okeechobee								1						1	4.4	0.0
Orange	4	3	4	4	3	9	10	4	6	3	6	5		61	11.9	4.8
Osceola	1			1		1		1	2		1			7	10.8	4.2
Palm Beach	5	5	2	8	6	9	3	8	5	8	4	8	1	72	11.0	6.0
Pasco	2			1			1	2			1			7	3.2	2.1
Pinellas	4	7	3	2	6	7	5	6	5	4	4	12		65	8.4	2.7
Polk	8	4	1	2	5	4	4		3	4	6	4		45	13.0	10.2
Putnam	1	2	1		1	1			1		1		1	9	16.5	18.4
St. Johns							1	2		1				4	6.6	0.0
St. Lucie						2				1	1			4	3.8	0.5
Santa Rosa	1					2								3	5.0	3.3
Sarasota		2	1			1		2	1				2	9	4,0	5.4
Seminole			1			1			2	1	1		2	8	3.9	2.1
Sumter															0.0	0.0
Suwanee						1								1	4.1	0.0
Taylor		2							1					3	17.2	0.0
Union															0.0	0.0
Volusia	2		3	3	1	3	5	1	1	1	1	3	1	25	8.7	6.5
Wakulla						1			1		1			3	26.4	13.7
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	54	56	56	45	53	96	76	73	72	72	97	69	33	852	8.0	3.9

*1980-1982 Average rate

CAMPYLOBACTEROSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



CAMPYLOBACTEROSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

SALMONELLOSIS

In 1983, 2,332 cases of salmonellosis were reported to the state, which represents a 11.6% decrease from the total number of cases reported in 1982 (2,637). The case rate in 1983 (21.9 per 100,000) was 12.4% lower than the rate in 1982 (25.0).

The peak occurrence of cases was in August and September.

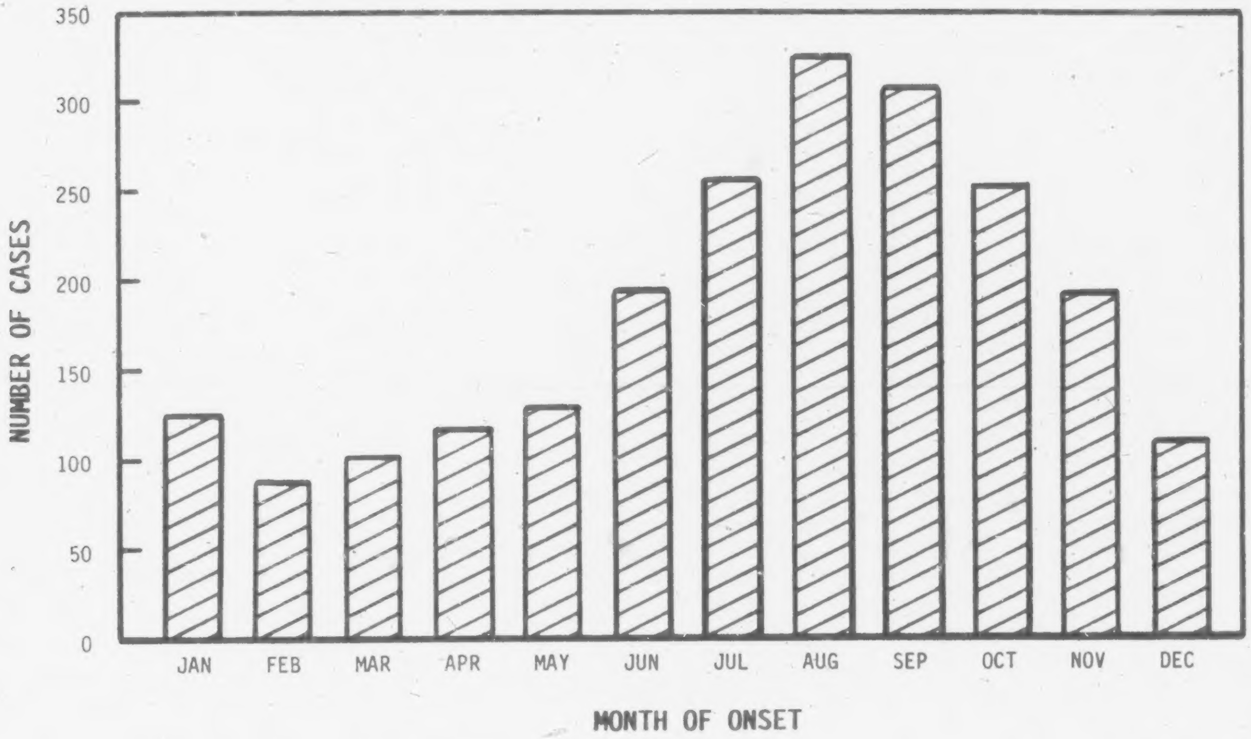
The highest age-specific incidence rate per 100,000 population was in the less than 1 year old age group (336.3 per 100,000) followed by those aged 1-4 (176.0 per 100,000). The case rate then decreased rapidly with increasing age.

SALMONELLOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

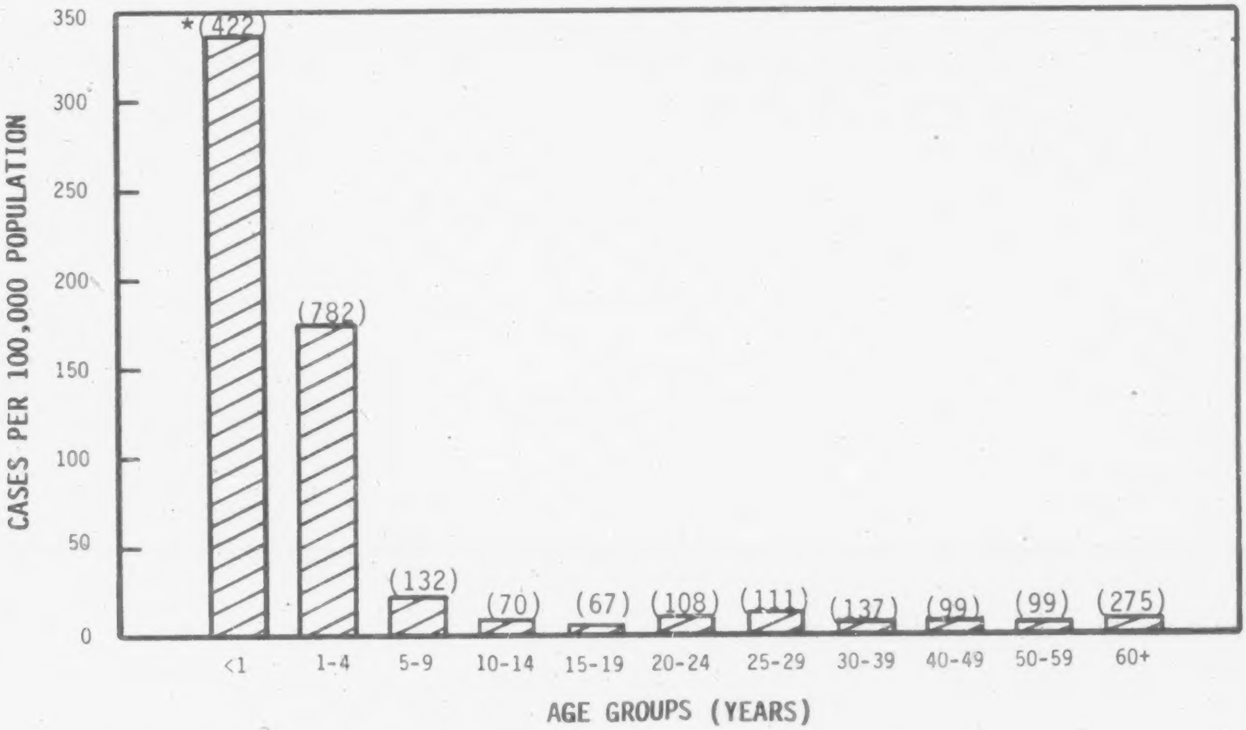
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua	3		1	2	1	3	4	7	7	6	5	4		43	26.3	19.5
Baker				1	1			1						3	18.0	14.6
Bay	1		2	1	7	6	10	22	16	5	6	4	2	82	75.6	58.9
Bradford						1		3			1		1	6	25.7	8.3
Brevard	9	2	5	3	6	5	7	8	6	3	3		7	64	20.6	31.2
Broward	10	5	7	7	8	14	17	23	18	17	26	8	12	172	15.9	14.1
Calhoun									1	1			1	3	32.5	28.3
Charlotte	1	1		1	1	2	1	4	1	3	2	2		19	26.9	56.5
Citrus	4	1			2	1	5	1	1	3	5		1	24	36.2	21.0
Clay						1	2	3	5	5	5	2		23	30.6	15.6
Collier	2	7	2	5	5	5	4	8	2	4	4	2		50	48.3	34.7
Columbia	1	2	2	1				1		1	2	2	7	19	49.8	23.2
Dade	13	7	17	7	10	23	15	15	23	33	27	19	23	232	13.3	15.0
DeSoto	1	2	1		1	1	2	1	1	1				11	53.1	63.3
Dixie								1		1				2	22.5	24.3
Duval	9	5	3	5	4	14	15	22	23	15	17	7	11	150	25.5	28.8
Escambia	2	2	2	1	4		7	8	5	7	3		1	42	16.7	17.6
Flagler								1		1				2	14.3	18.8
Franklin															0.0	8.6
Gadsden	2	1	1				2	5	4	3				18	41.8	27.7
Gilchrist				1					1					2	29.9	15.6
Glades															0.0	16.1
Gulf															0.0	0.0
Hamilton															0.0	11.5
Hardee								1			1		1	3	15.2	11.7
Hendry					1	1				1				3	14.4	30.6
Hernando	1						3	2						6	10.4	12.1
Highlands		2				3	3	2	6	3			1	20	37.0	11.3
Hillsborough	6	4	10	8	7	20	20	7	6	9	8	7		112	16.1	19.8
Holmes															0.0	0.0
Indian River					1		1		2		1		5	10	14.3	6.8
Jackson					2		1	3		1			1	8	20.3	18.4
Jefferson						1			1				1	3	26.8	0.0
Lafayette															0.0	16.6
Lake				1		3	3		1	1				9	7.7	9.8
Lee	4	3	1	1	1		4	5	3	2	3	3	6	36	15.2	29.5
Leon	1	3	3	4	2	9	13	16	28	10	5	4		98	61.5	44.4
Levy		1		1						2			2	6	27.7	20.9
Liberty															0.0	7.7
Madison															0.0	6.6
Manatee	1		2		3	4	2	5	2	3	6	2	4	34	21.0	21.0
Marion				3	3		4	2	5	3	1	1	1	23	16.0	14.3
Martin	2		3	1		3	5	3		2	1	2	2	24	32.1	58.9
Monroe									1		1			2	3.0	10.4
Nassau						1				2	1			4	10.9	20.6
Okaloosa				2	1	1	2	8	5	2				21	17.0	21.4
Okeechobee						2	1	1					2	6	26.1	82.7
Orange	6	6	4	15	15	7	14	16	24	18	16	6	6	153	30.0	32.1
Osceola	1		1	1	4	3	5	4	3	2		2	2	28	43.0	41.9
Palm Beach	12	5	8	7	9	15	20	22	18	26	9	15	3	169	25.8	23.5
Pasco	3	1	4	1	1	3	9	9	5	7	2	1		46	21.0	14.9
Pinellas	8	7	3	6	3	12	10	8	11	12	7	2	2	91	11.8	21.5
Polk	8	5	6	5	9	7	13	23	16	14	17	5	7	135	38.9	36.7
Putnam	1	4	3	4	2	3	8	1	1	2	1	1		31	56.9	40.8
St. Johns	1		2	1			1	5	1	1	2			14	23.0	15.4
St. Lucie	1	2	2		1	1	2	1	2	1		2		15	14.1	16.3
Santa Rosa							1	2	2	3				8	13.2	10.4
Sarasota		2	1	7	1	6	6	3	3	2		2	6	39	17.3	23.5
Seminole	1	3	1	4	7	4	5	10	11	4		1	3	54	26.5	31.6
Sumter					1								1	2	7.7	6.7
Suwanee															0.0	2.8
Taylor			1					5	2	1		1	1	11	63.1	7.9
Union															0.0	6.4
Volusia	9	4	3	10	5	10	10	26	29	9	5	3	6	129	45.0	29.9
Wakulla	1							1	3					5	44.0	39.4
Walton								1		2				3	13.1	16.8
Washington									2		1	1		4	26.9	4.5
STATE TOTAL	125	87	101	117	129	195	257	326	307	254	194	111	129	2332	21.9	22.5

*1980-1982 Average rate

SALMONELLOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



SALMONELLOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

SHIGELLOSIS

In 1983, 700 cases of shigellosis were reported to the state, which represents a 19.7% increase from the total number of cases reported in 1982 (585). The case rate in 1983 (6.6 per 100,000) increased by 20.0% from the rate in 1982 (5.5 per 100,000).

The peak month of occurrence in 1983 was September (91 cases) as compared to March (102 cases) in 1982.

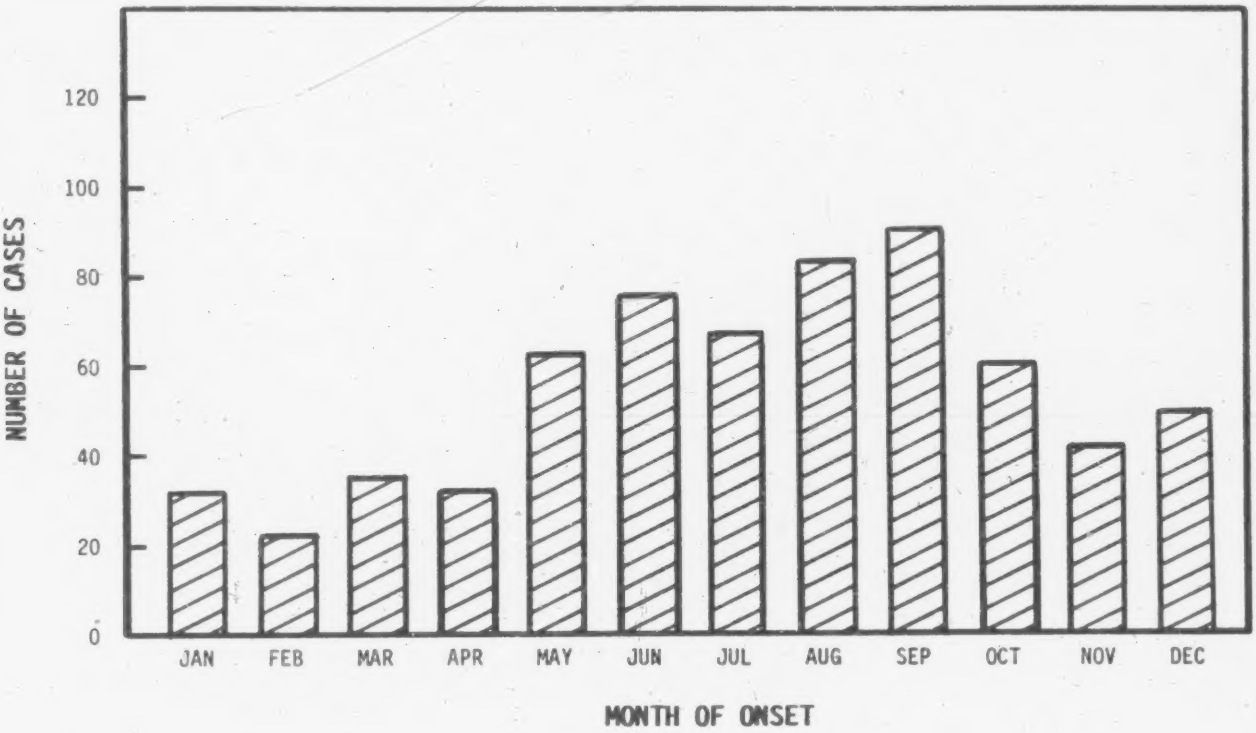
Children aged 1-4 had the highest reported rate of illness (62.1 per 100,000), which represents an 18.7% increase from 1982 (52.3 per 100,000). The next highest rate was observed in the less than 1 year olds (17.5 per 100,000) followed by the 5-9 year old age group (13.4 per 100,000). Case rates were uniformly low for the remaining age groups.

SHIGELLOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

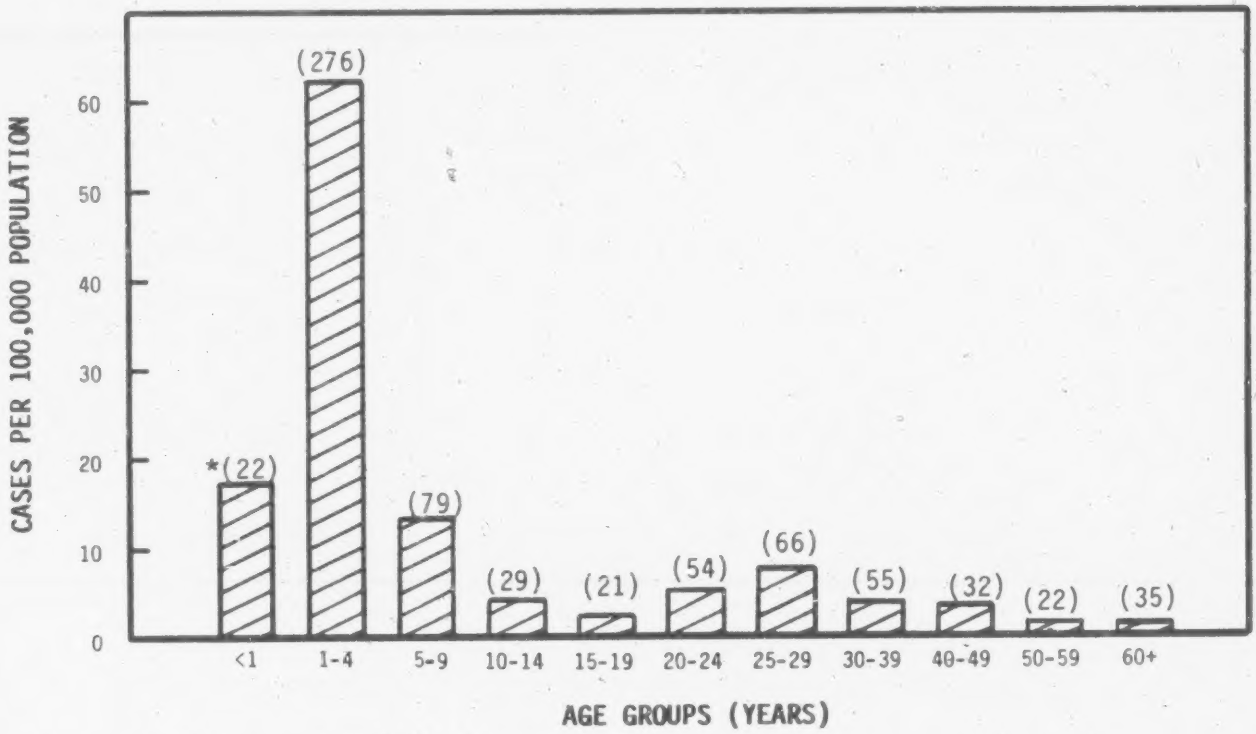
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua						1	1							2	1.2	6.4
Baker									1		2			3	18.0	0.0
Bay									1					1	0.9	0.7
Bradford								1						1	4.3	1.7
Brevard			3				3	3				2		11	3.5	3.8
Broward	2	3	3	1	2	6	4		2	4	7	1		35	3.2	4.0
Calhoun													1	1	10.8	21.2
Charlotte															0.0	11.2
Citrus		1		1					1					3	4.5	2.8
Clay								3	2			2		7	9.3	3.8
Collier					1	2		2	1	2	1	2		11	10.6	13.0
Columbia									1	1		1	4	7	18.3	0.9
Dade	10	4	3	7	10	12	21	8	17	17	12	8	27	156	9.0	9.9
DeSoto															0.0	6.8
Dixie															0.0	0.0
Duval	4	4	4	1	2	3	6	25	18	4	3	5	4	83	14.1	10.6
Escambia					3	1		1	1	3	1	1	1	12	4.8	2.5
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden			2	2			3	2	1					10	23.2	29.3
Gilchrist															0.0	5.2
Glades															0.0	5.4
Gulf															0.0	0.0
Hamilton							1							1	11.2	0.0
Hardee															0.0	6.7
Hendry															0.0	17.0
Hernando		2												2	3.5	1.3
Highlands															0.0	1.3
Hillsborough	1	2	2	3	1	4	1	5	3	1	2	3		28	4.0	9.7
Holmes															0.0	0.0
Indian River												1	1	2	2.9	2.6
Jackson				1					1					2	5.1	73.7
Jefferson		1												1	8.9	0.0
Lafayette															0.0	0.0
Lake									5					5	4.3	1.5
Lee							1		1	1	1			4	1.7	4.1
Leon	15	2	4	6	9	3	1	3	2	1		1		47	29.5	17.4
Levy															0.0	12.9
Liberty															0.0	15.5
Madison															0.0	2.2
Manatee						6	1		1					8	4.9	7.3
Marion												5		5	3.5	19.4
Martin				1	2	1	4	1						9	12.0	9.3
Monroe							1	1						2	3.0	7.2
Nassau							3		2		1			6	16.4	2.9
Okaloosa															0.0	0.6
Okeechobee					2	1								3	13.1	3.1
Orange			4	4	11	10	5	10	11	11	8	8	1	83	16.2	8.0
Osceola															0.0	32.4
Palm Beach		2	6	3	11	17	7	8	10	8	1	3		76	11.6	7.0
Pasco						1		3			1	1		6	2.7	3.5
Pinellas			1	2	5	1	1	3	2	5	1		1	22	2.9	3.8
Polk		1	3	1	1	1	2	2		1		2		14	4.0	15.0
Putnam															0.0	3.2
St. Johns						2			1	1		3		7	11.5	2.5
St. Lucie										1				1	0.9	2.1
Santa Rosa	1													1	1.7	0.0
Sarasota															0.0	2.1
Seminole					1	4	1		1					7	3.4	12.9
Sumter			1											1	3.8	1.3
Suwanee															0.0	2.8
Taylor					2			1	1					4	22.9	2.0
Union															0.0	3.2
Volusia		1					1	2	4		2			10	3.5	2.3
Wakulla															0.0	12.1
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	33	23	36	33	63	76	68	84	91	61	43	49	40	700	6.6	7.5

*1980-1982 Average rate

SHIGELLOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



SHIGELLOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

VIBRIO INFECTIONS

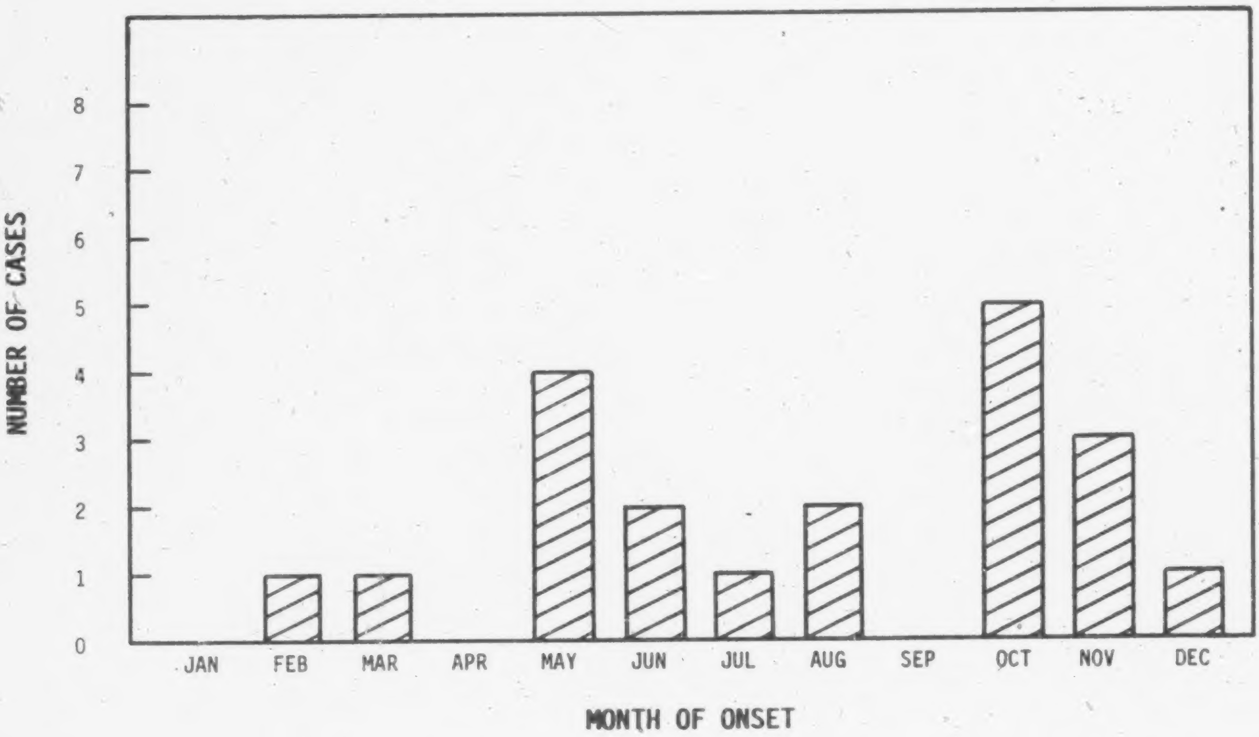
In 1983, 20 vibrio infections were reported, including *Vibrio choierae* non-01 (10 cases), *Vibrio parahaemolyticus* (3 cases), *Vibrio vulnificus* (3 cases), *Vibrio hollisae* (2 cases), and *Vibrio mimicus* (2 cases). Patients ranged in age from 22 to 81 years of age. Leon County represented the county with the greatest number of reported vibrio infections (5 cases). The month with the most cases having onset of illness was October (5 cases), followed by May (4 cases). Of the twenty reported cases, 14 (70%) patients reported eating raw oysters during the week prior to onset of illness.

VIBRIO INFECTIONS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

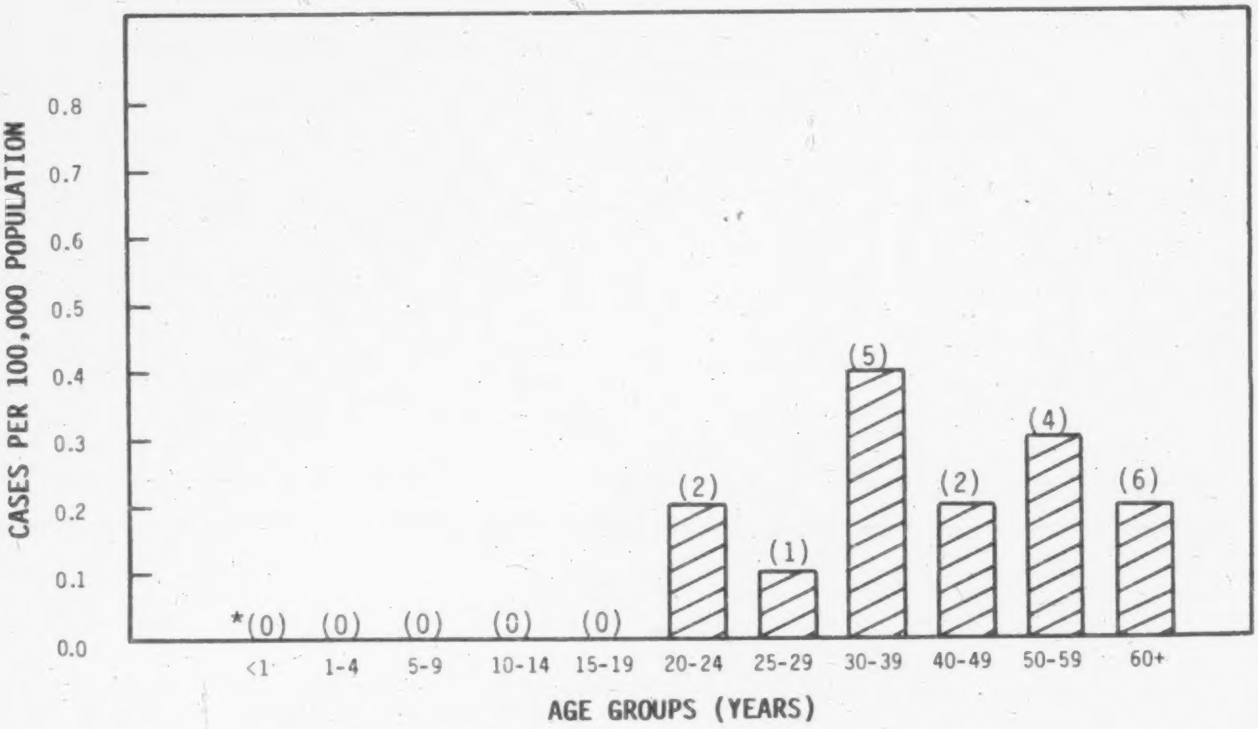
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua															0.0	--
Baker															0.0	--
Bay															0.0	--
Bradford															0.0	--
Brevard															0.0	--
Broward						1								1	0.1	--
Calhoun															0.0	--
Charlotte															0.0	--
Citrus															0.0	--
Clay															0.0	--
Collier															0.0	--
Columbia															0.0	--
Dade					1									1	0.1	--
DeSoto															0.0	--
Dixie															0.0	--
Duval										1	1			2	0.3	--
Escambia															0.0	--
Flagler															0.0	--
Franklin					1									1	7.1	--
Gadsden											1			1	12.6	--
Gilchrist															0.0	--
Glades															0.0	--
Gulf															0.0	--
Hamilton															0.0	--
Hardee															0.0	--
Hendry															0.0	--
Hernando															0.0	--
Highlands															0.0	--
Hillsborough										1		1		2	0.3	--
Holmes															0.0	--
Indian River															0.0	--
Jackson															0.0	--
Jefferson															0.0	--
Lafayette															0.0	--
Lake															0.0	--
Lee															0.0	--
Leon		1	1					1		2				5	3.1	--
Levy															0.0	--
Liberty															0.0	--
Madison															0.0	--
Manatee											1			1	0.6	--
Marion															0.0	--
Martin															0.0	--
Monroe															0.0	--
Nassau															0.0	--
Okaloosa															0.0	--
Okeechobee															0.0	--
Orange															0.0	--
Osceola															0.0	--
Palm Beach					1	1								2	0.3	--
Pasco															0.0	--
Pinellas					1									1	0.1	--
Polk															0.0	--
Putnam															0.0	--
St. Johns							1							1	1.6	--
St. Lucie															0.0	--
Santa Rosa															0.0	--
Sarasota								1						1	0.4	--
Seminole															0.0	--
Sumter															0.0	--
Suwanee															0.0	--
Taylor															0.0	--
Union															0.0	--
Volusia															0.0	--
Wakulla										1				1	8.8	--
Walton															0.0	--
Washington															0.0	--
STATE TOTAL	0	1	1	0	4	2	1	2	0	5	3	1	0	20	0.2	--

*Not Available

VIBRIO INFECTIONS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983



VIBRIO INFECTIONS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

VIBRIO INFECTIONS - Reported laboratory confirmed cases by county, Florida, 1983

County	VIBRIO CHOLERA NON-01	VIBRIO HOLLISAE	VIBRIO MIMICUS	VIBRIO PARAHAEMOLYTICUS	VIBRIO VULNIFICUS
Alachua					
Baker					
Bay					
Bradford					
Brevard					
Broward	1				
Calhoun					
Charlotte					
Citrus					
Clay					
Collier					
Columbia					
Dade				1	
DeSoto					
Dixie					
Duval	2				
Escambia					
Flagler					
Franklin			1		
Gadsden	1				
Gilchrist					
Glades					
Gulf					
Hamilton					
Hardee					
Hendry					
Hernando					
Highlands					
Hillsborough	1				1
Holmes					
Indian River					
Jackson					
Jefferson					
Lafayette					
Lake					
Lee					
Leon	1	1	1	2	
Levy					
Liberty					
Madison					
Manatee	1				
Marion					
Martin					
Monroe					
Nassau					
Okaloosa					
Okeechobee					
Orange					
Osceola					
Palm Beach	1	1			
Pasco					
Pinellas	1				
Polk					
Putnam					
St. Johns					1
St. Lucie					
Santa Rosa					
Sarasota	1				
Seminole					
Sumter					
Suwannee					
Taylor					
Union					
Volusia					
Wakulla					1
Walton					
Washington					
STATE TOTAL	10	2	2	3	3

SECTION 3:

Summary of Vaccine Preventable Diseases of Childhood

Prepared by Immunization Program
Henry T. Janowski, M.P.H., Program Supervisor

MEASLES

In 1983, 159 cases of measles were reported to the state, which represents a 35.4% decrease from the total number of cases reported in 1982 (246). The case rate in 1983 (1.5 per 100,000) declined 35.4% from the rate in 1982 (2.3 per 100,000).

The greatest number of cases was reported in February (46 cases) and March (49 cases). In a continuation of the outbreak in 1982, Dade County reported 108 cases, 68% of the total cases in 1983.

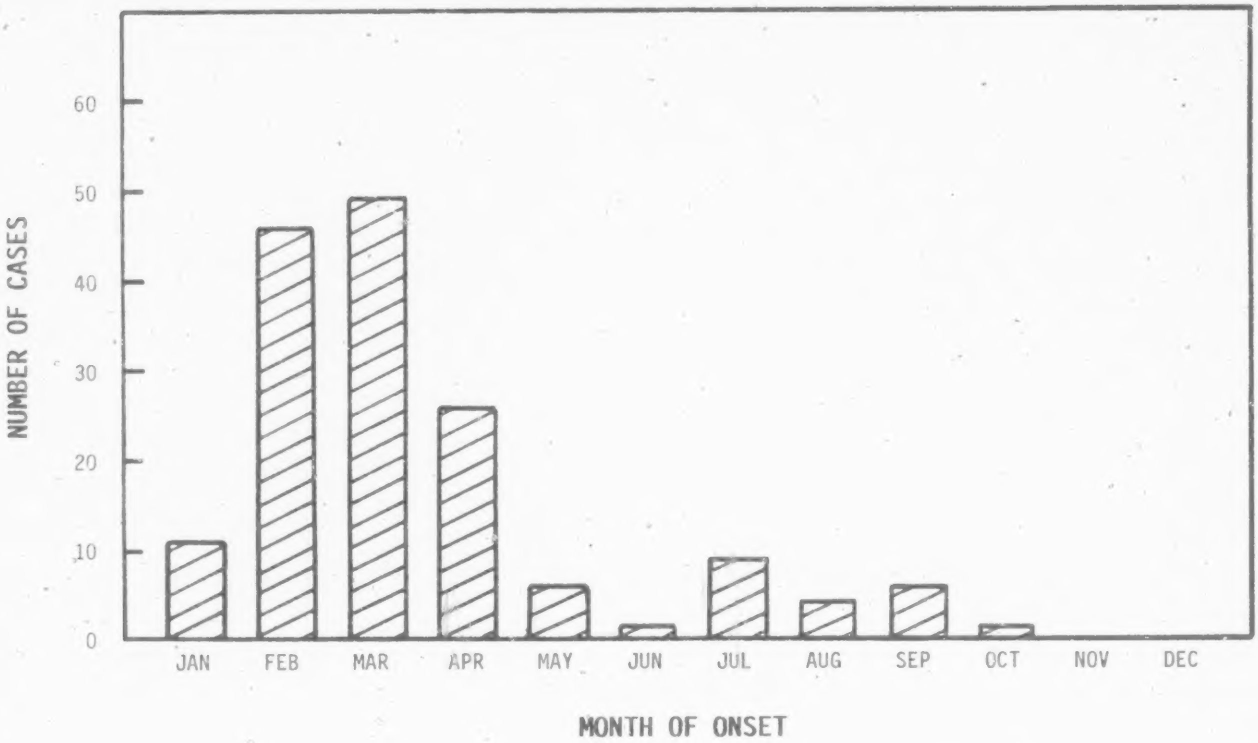
Children aged 1-4 years had the highest reported rate of illness, 80 cases (18.0 per 100,000), a 77% increase from 45 cases in 1982 (10.0 per 100,000). The 10-14 year old age group contributed 29 cases (4.4 per 100,000).

MEASLES - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

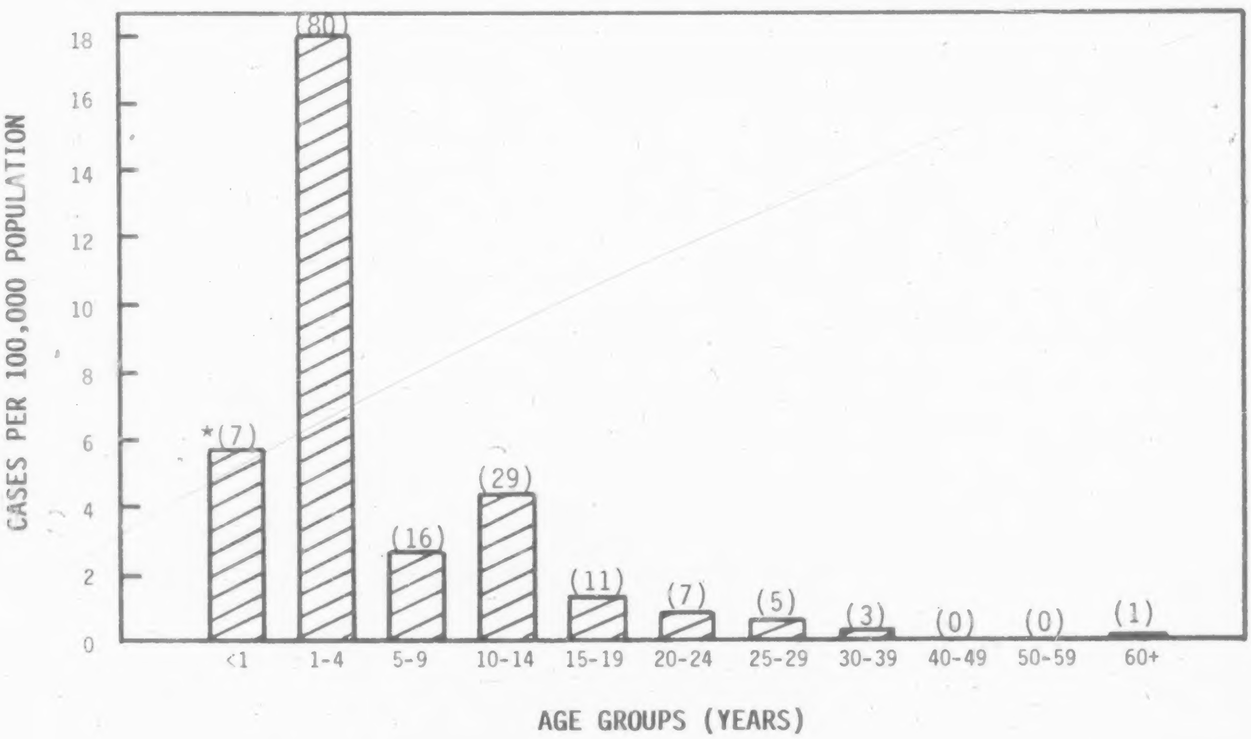
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua															0.0	0.4
Baker															0.0	2.1
Bay															0.0	0.3
Bradford															0.0	1.7
Brevard															0.0	3.9
Broward			3	2	2									7	0.6	1.5
Calhoun															0.0	0.0
Charlotte															0.0	3.2
Citrus															0.0	0.6
Clay															0.0	0.0
Collier						1	3	1						5	4.8	0.7
Columbia															0.0	0.0
Dade	8	35	39	11	3		5	1	5	1				108	6.2	5.2
DeSoto															0.0	5.1
Dixie															0.0	4.1
Duval															0.0	0.8
Escambia															0.0	0.6
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee			4											4	20.3	1.7
Hendry															0.0	5.1
Hernando															0.0	0.7
Highlands															0.0	0.0
Hillsborough					1			2	1					4	0.6	3.5
Holmes															0.0	4.4
Indian River															0.0	1.0
Jackson															0.0	0.0
Jefferson															0.0	3.1
Lafayette															0.0	0.0
Lake															0.0	1.5
Lee															0.0	13.5
Leon															0.0	9.1
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee															0.0	3.4
Marion															0.0	1.3
Martin															0.0	1.5
Monroe															0.0	0.0
Nassau															0.0	2.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange															0.0	0.8
Osceola															0.0	2.4
Palm Beach	3	10	1				1							15	2.3	0.8
Pasco															0.0	23.0
Pinellas		1		1										2	0.3	4.7
Polk			2	12										14	4.0	1.4
Putnam															0.0	0.6
St. Johns															0.0	0.0
St. Lucie															0.0	0.7
Santa Rosa															0.0	1.2
Sarasota															0.0	0.5
Seminole															0.0	1.9
Sumter															0.0	1.3
Suwanee															0.0	1.4
Taylor															0.0	0.0
Union															0.0	3.2
Volusia															0.0	10.0
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	11	46	49	26	6	1	9	4	6	1	0	0	0	159	1.5	3.3

*1980-1982 Average rate

MEASLES - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983

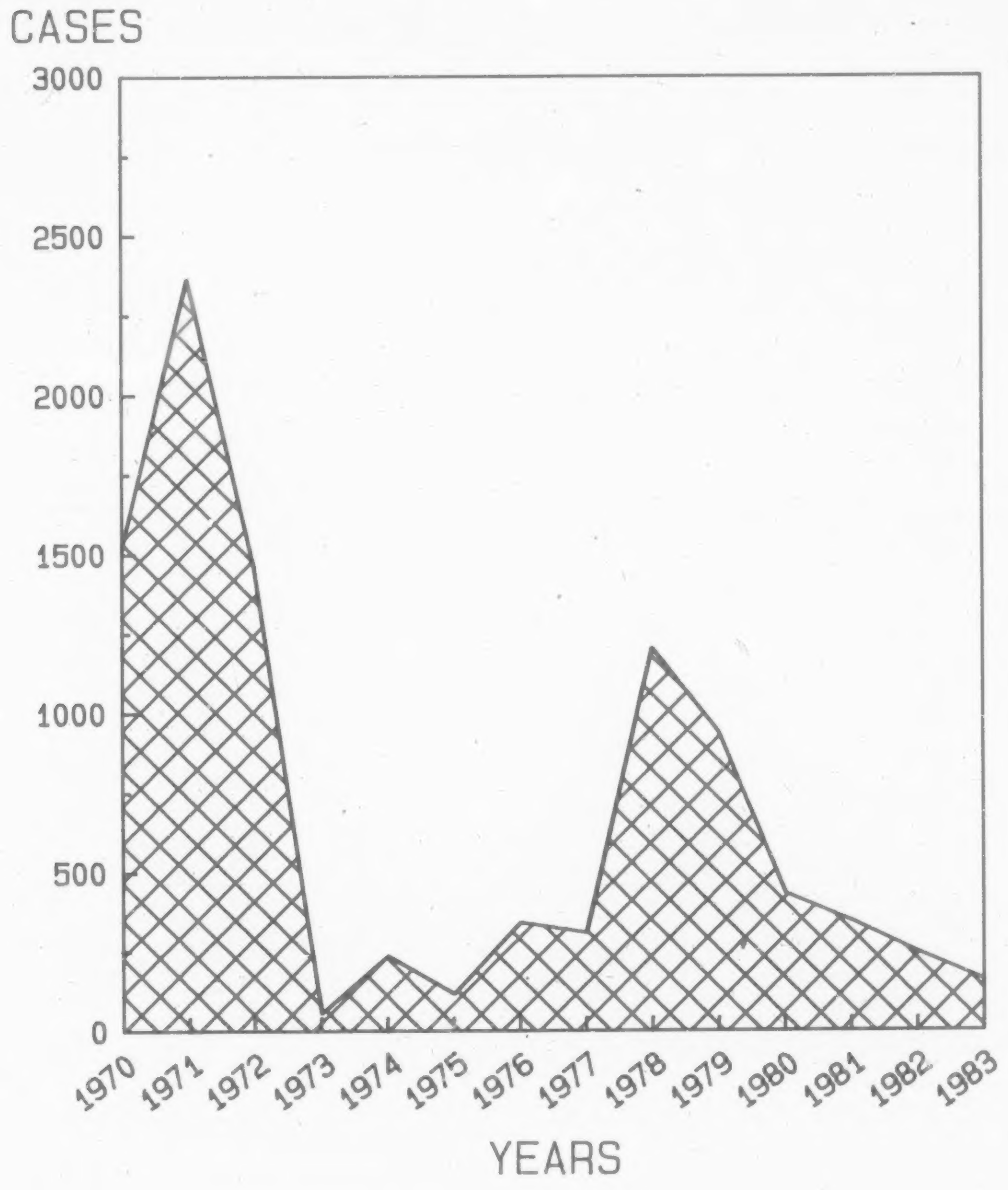


MEASLES - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

MEASLES (RUBEOLA) CASES REPORTED
FLORIDA, 1970-1983



PERTUSSIS

In 1983, 57 cases of pertussis were reported to the state, which represents a 3.4% decrease from the total number of cases reported in 1982 (59). The case rate in 1983 (0.5 per 100,000) declined 17% from the rate in 1982 (0.6 per 100,000).

The highest number of cases reported was 8, in the months of May, August, and October.

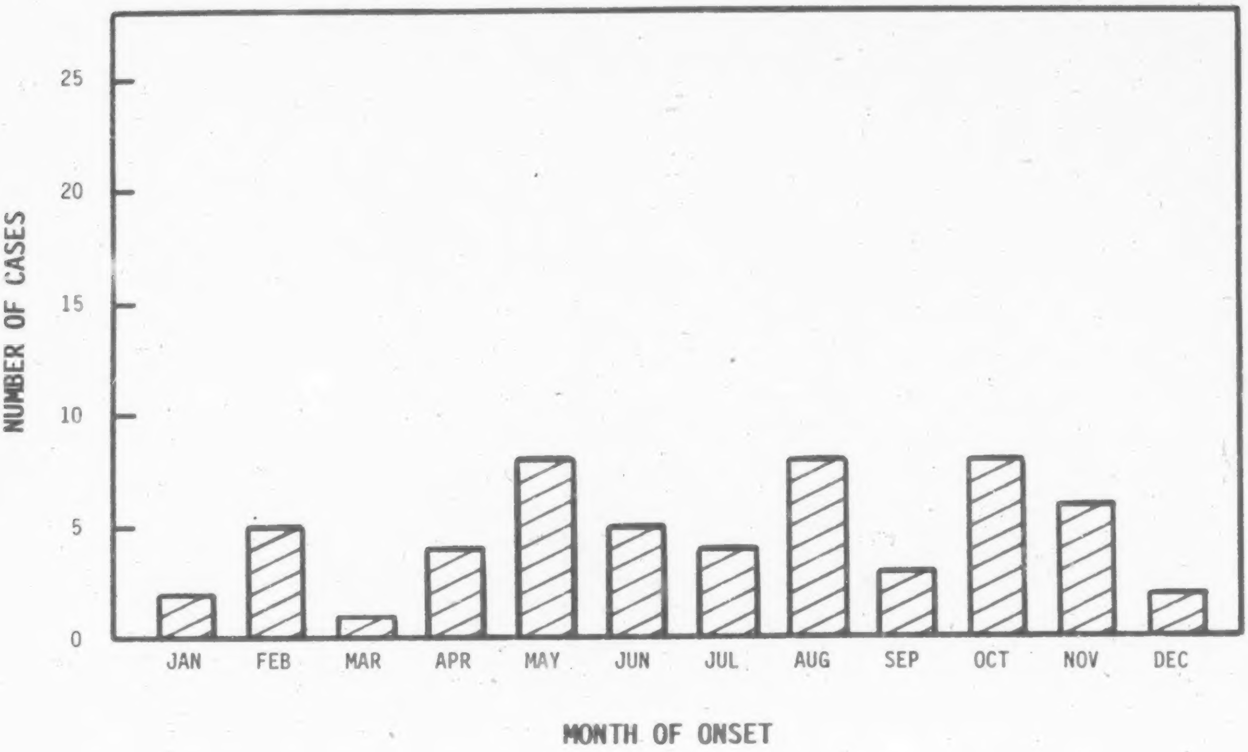
Children less than 1 year of age had the highest reported rate of illness (25.5 per 100,000) followed by one to four year olds (3.8 per 100,000). Only one case was reported in a person older than 19 years of age.

PERTUSSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

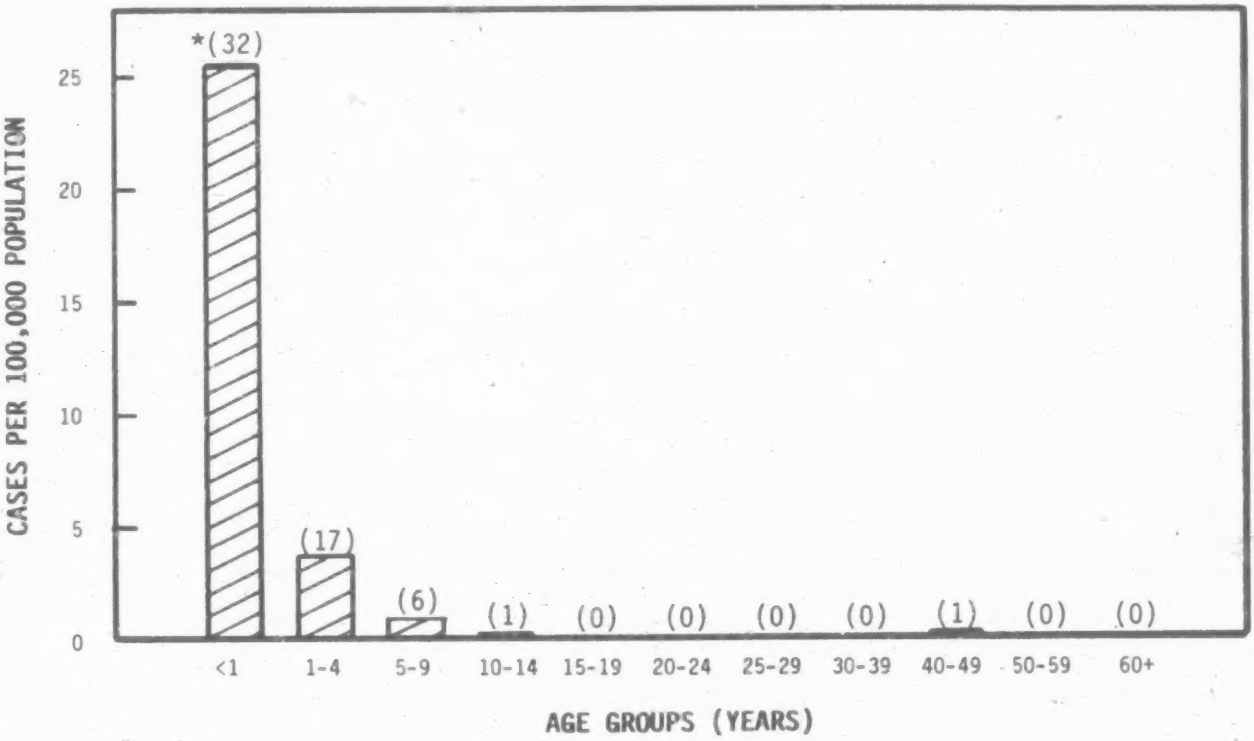
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua	1			1	1				1		2			6	3.7	1.5
Baker															0.0	2.1
Bay															0.0	0.3
Bradford															0.0	0.0
Brevard															0.0	0.8
Broward				1										1	0.1	0.1
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus											1			1	1.5	0.0
Clay															0.0	1.4
Collier															0.0	0.4
Columbia															0.0	0.0
Dade		1					1	2						4	0.2	0.1
DeSoto		1												1	4.8	0.0
Dixie															0.0	0.0
Duval		1								2				3	0.5	1.3
Escambia															0.0	0.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	0.0
Gulf								2						2	18.1	0.0
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry															0.0	5.1
Hernando															0.0	0.0
Highlands															0.0	2.7
Hillsborough						2	1			2				5	0.7	1.1
Holmes															0.0	0.0
Indian River															0.0	0.0
Jackson												1		1	2.5	3.3
Jefferson															0.0	0.0
Lafayette															0.0	8.3
Lake					1	1								2	1.7	0.6
Lee															0.0	0.3
Leon			1	1										2	1.3	3.3
Levy															0.0	0.0
Liberty													1	1	22.9	0.0
Madison															0.0	6.6
Manatee															0.0	0.6
Marion							1							1	0.7	0.8
Martin						2		2	1		1			6	8.0	1.5
Monroe															0.0	0.0
Nassau															0.0	0.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange															0.0	0.0
Osceola															0.0	0.6
Palm Beach					1				1					2	0.3	1.1
Pasco															0.0	0.3
Pinellas					1			1			1	1		4	0.5	0.5
Polk		2			2		1	1		4	1			11	3.2	3.3
Putnam															0.0	0.0
St. Johns															0.0	0.6
St. Lucie	1			1	2									4	3.8	0.7
Santa Rosa															0.0	0.0
Sarasota															0.0	0.3
Seminole															0.0	0.7
Sumter															0.0	0.0
Suwanee															0.0	1.4
Taylor															0.0	0.0
Union															0.0	0.0
Volusia															0.0	1.1
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	4.5
STATE TOTAL	2	5	1	4	8	5	4	8	3	8	6	2	1	57	0.5	0.7

*1980-1982 Average rate

PERTUSSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983

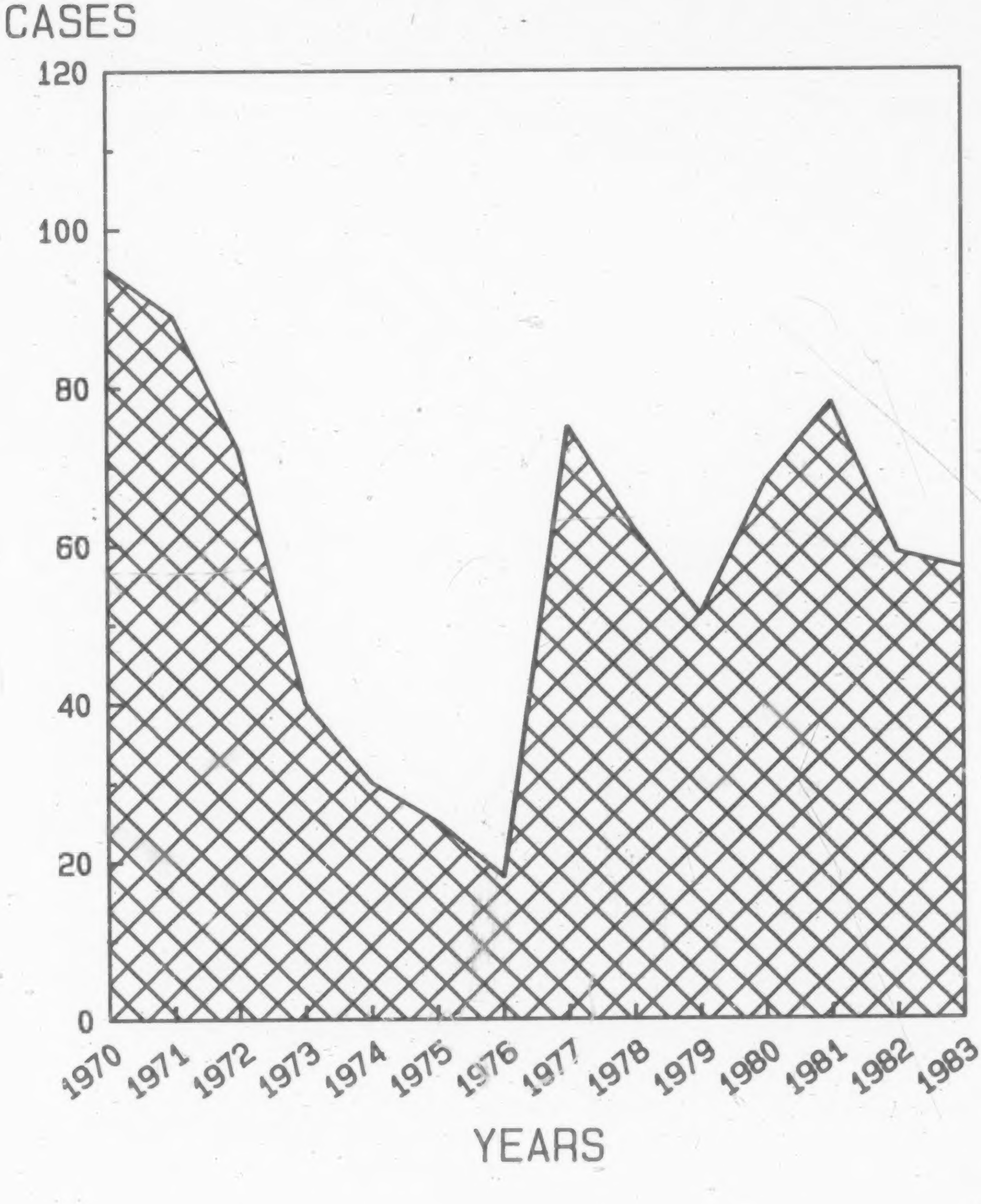


PERTUSSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

PERTUSSIS CASES REPORTED
FLORIDA, 1970-1983



RUBELLA

In 1983, 70 cases of rubella were reported to the state, which represents a 119% increase from the total number of cases reported in 1982 (32). The case rate in 1983 (0.7 per 100,000) increased 133% from the rate in 1982 (0.3 per 100,000).

The highest number of cases reported in a single month was 15 in May.

Hillsborough County reported 28 cases, 40% of the total cases reported in 1983. The majority of these cases were in three outbreaks: a department store, a hospital, and a local theatre group.

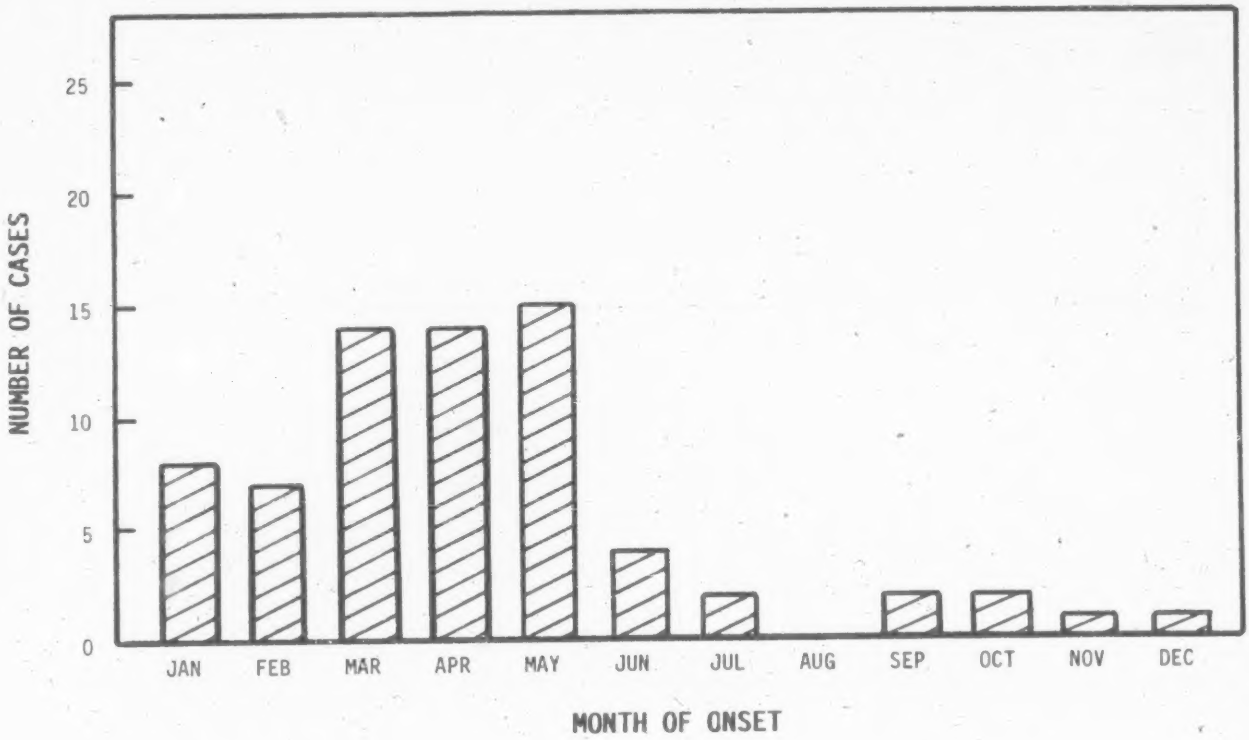
Adults aged 20-24 had the highest rate of illness with 27 reported cases (1.9 per 100,000). The largest number of cases was reported during March, April, and May with 14, 14 and 15 cases respectively.

RUBELLA - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1983

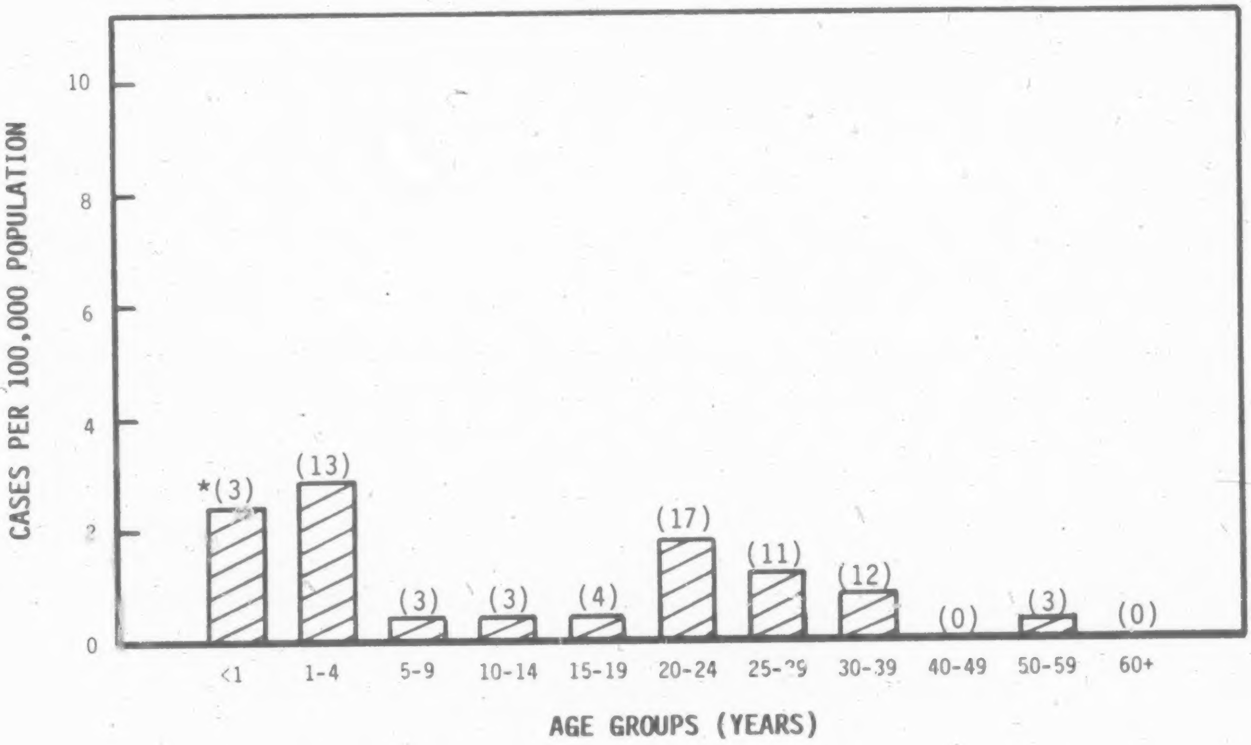
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. MEAN *
Alachua	1	1		2	1									5	3.1	2.4
Baker															0.0	2.1
Bay				1										1	0.9	1.3
Bradford															0.0	0.0
Brevard				2					1		1			4	1.3	0.2
Broward			1	1										2	0.2	0.4
Calhoun															0.0	10.6
Charlotte															0.0	0.0
Citrus															0.0	1.7
Clay				1										1	1.3	0.0
Collier															0.0	1.4
Columbia															0.0	2.8
Dade	1		1		2	1								5	0.3	0.5
DeSoto															0.0	0.0
Dixie															0.0	0.0
Duval															0.0	0.2
Escambia															0.0	0.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	0.0
Gulf															0.0	6.3
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry															0.0	1.7
Hernando															0.0	0.7
Highlands															0.0	0.0
Hillsborough	3	4	7	4	7	1			1	1				28	4.0	1.3
Holmes															0.0	6.7
Indian River															0.0	0.0
Jackson															0.0	0.8
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake			1											1	0.9	1.5
Lee															0.0	0.0
Leon	1													1	0.6	0.2
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee	1													1	0.6	3.6
Marion															0.0	0.5
Martin															0.0	0.0
Monroe															0.0	0.5
Nassau															0.0	0.0
Okaloosa															0.0	0.6
Okeechobee															0.0	0.0
Orange															0.0	0.2
Osceola															0.0	0.6
Palm Beach		1			1									2	0.3	0.6
Pasco					1									1	0.5	2.6
Pinellas		1		1	1		1							4	0.5	0.7
Polk			2		2	1	1							6	1.7	0.6
Putnam															0.0	0.0
St. Johns															0.0	1.2
St. Lucie															0.0	0.0
Santa Rosa	1													1	1.7	1.2
Sarasota															0.0	0.0
Seminole			1							1				2	1.0	0.7
Sumter															0.0	0.0
Suwanee															0.0	0.0
Taylor															0.0	2.0
Union															0.0	3.2
Volusia			1	2		1						1		5	1.7	0.7
Wakulla															0.0	3.0
Walton															0.0	4.6
Washington															0.0	2.2
STATE TOTAL	8	7	14	14	15	4	2	0	2	2	1	1	0	70	0.7	0.7

*1980-1982 Average rate

RUBELLA - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1983

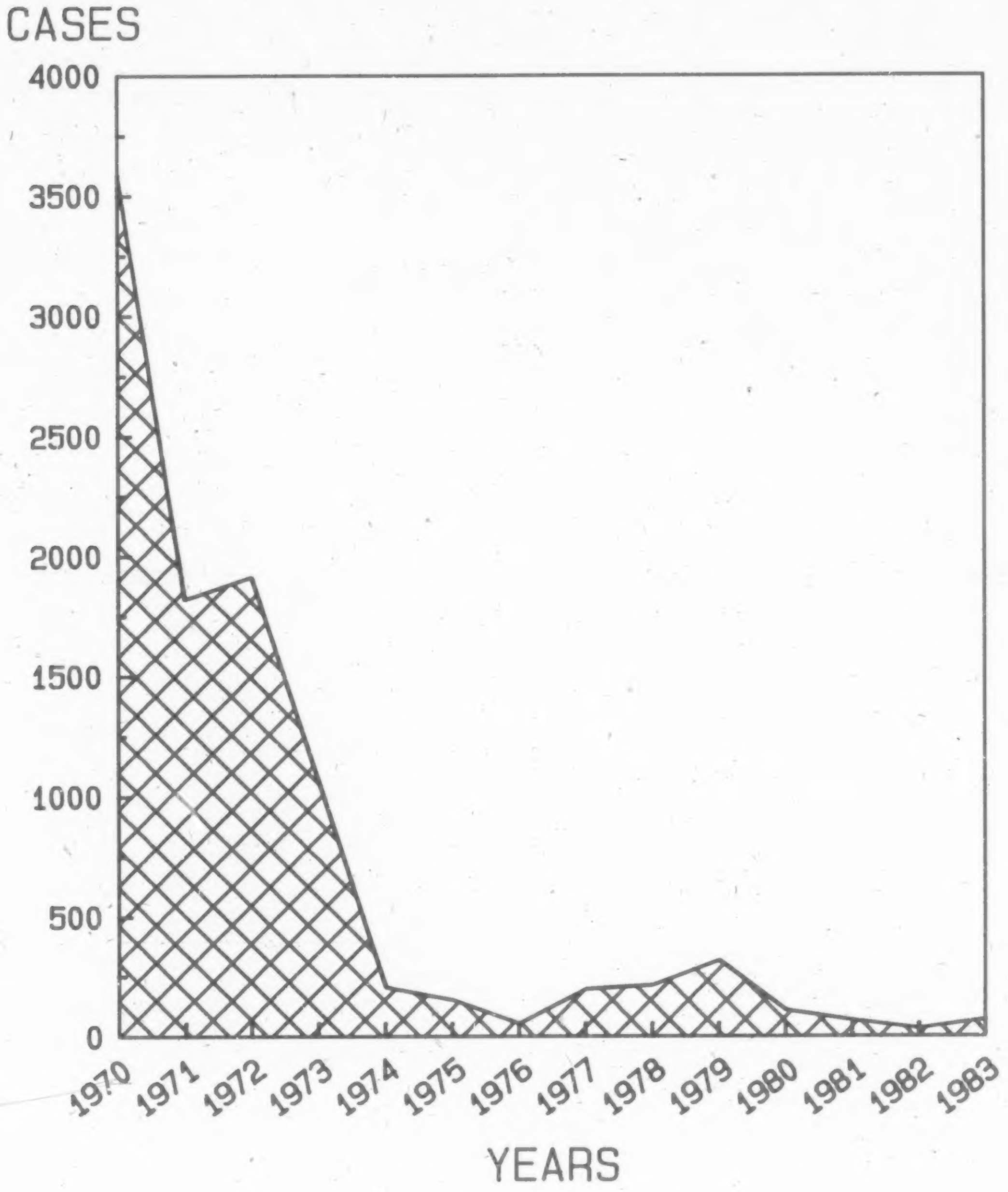


RUBELLA - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1983



*( ) Reported number of cases

RUBELLA CASES REPORTED
FLORIDA, 1970-1983



SECTION 4:

Analysis of Animal Rabies & Zoonotic Diseases

Prepared by Epidemiology Program
William J. Bigler, Ph.D., Deputy State Epidemiologist

ANIMAL RABIES

Of the 4,811 animal specimens examined for rabies in 1983, 131 (2.7%) were positive in flourescent rabies antibody (FRA) tests (Table 2). This represents a rather dramatic increase (62%) over the total number of cases (80) reported for 1982.

Rabies positive animals were identified in 34 counties compared to 39 counties in 1982 (Table 3). As in past years cases have occurred throughout the state with most being reported from the central and north central counties.

For the first time since 1965, cases of rabies in bats (69) have outnumbered cases in raccoons. Cases of rabies in bats accounted for over one half (52.7%) of the total cases reported this year with 14.8% of all bats examined positive in FRA tests. Most of the reported cases of rabies in bats occurred in two species, the red bat (Lasiuris borealis) and the seminole bat (Lasiuris seminolus) from counties located in North Florida. Two urban areas, Jacksonville (Duval County) and Pensacola (Escambia County) experienced an outbreak of bat rabies between July and October that warranted institution of local quarantine measures.

Cases of rabies in raccoons (56) accounted for about 43% of the total cases reported and 7.6% of those examined were positive in FRA tests. Most cases in raccoons were reported from North Florida. Two urban outbreaks occurred; one in Tallahassee (Leon County) and one in Lakeland (Polk County).

Reported cases in other wildlife and domestic animals comprised less than 5% of all cases. Less than 1% of the dogs (1/992) and cats (2/1,423) examined were positive for rabies in FRA tests.

TABLE 1

ANIMAL RABIES - Laboratory confirmed cases by species, Florida, 1974-1983

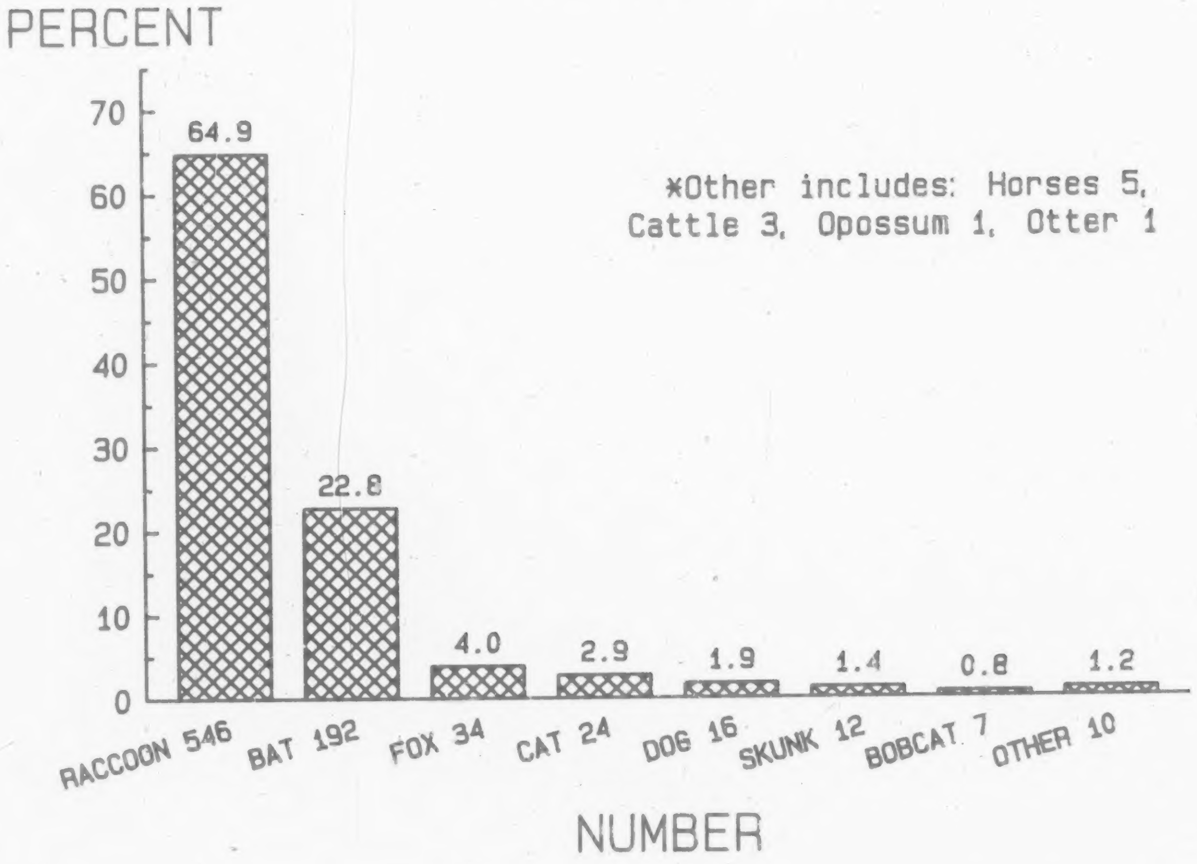
ANIMAL SPECIES	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
BAT	69	18	17	9	10	8	16	38	2	5
BOBCAT	1	0	0	2	0	2	1	1	0	0
CAT	2	1	7	3	5	1	2	3	0	0
CATTLE	1	0	0	1	0	0	0	0	0	1
DOG	1	2	1	4	3	1	1	1	2	0
EXOTIC ANIMALS	0	0	0	0	0	0	0	0	0	0
FOX	0	6	7	3	5	1	3	4	0	5
HORSE	0	0	1	1	1	0	0	0	2	0
LAGOMORPHS (includes rabbit, hare & pika)	0	0	0	0	0	0	0	0	0	0
OPOSSUM	0	0	1	0	0	0	0	0	0	0
OTTER	0	0	0	0	0	0	1	0	0	0
RACCOON	56	51	79	84	54	33	69	51	30	39
RODENTS (includes mice, hamsters, guinea pigs, gerbils, squirrels, rats)	0	0	0	0	0	0	0	0	0	0
SKUNK	1	2	3	3	1	1	0	0	1	0
STATE TOTAL	131	80	116	110	79	47	93	98	37	50

TABLE 2

RABIES - LABORATORY CONFIRMED CASES AND SPECIMENS EXAMINED, FLORIDA, 1983

Species	Number Examined	Number and Percent ( ) Positive	Percent of All Species Examined (N=4,811)	Percent of All Positive (N=131)
Dog	992	1 (0.1)	20.6	0.8
Cats	1,423	2 (0.1)	29.6	1.5
	2,415	3 (0.1)	50.2	2.3
Raccoons	734	56 (7.6)	15.3	42.8
Bats	467	69 (14.8)	9.7	52.7
Skunks	99	1 (1.0)	2.1	0.8
	1,300	126 (9.7)	27.1	96.3
Fox	98	0 (0.0)	2.0	0.0
Bobcat	7	1 (14.3)	0.2	0.8
Other Wild	337	0 (0.0)	7.0	0.0
	442	1 (0.2)	9.2	0.8
Cattle	21	1 (4.8)	0.4	0.8
Horse	25	0 (0.0)	0.5	0.0
Other Domestic	12	0 (0.0)	0.3	0.0
	58	1 (1.7)	1.2	0.8
Rodents & Lagomorphs	596	0 (0.0)	12.4	0.0
Humans	0	0 (0.0)	0.0	0.0
TOTAL ALL SPECIES	4,811	131 (2.7)	100.1	100.2

ANIMAL RABIES
FLORIDA 1974-83
TOTAL 841



*Other includes: Horses 5,
Cattle 3, Opossum 1, Otter 1

TABLE 3

ANIMAL RABIES - Reported laboratory confirmed cases by county, Florida, 1974-1983

County	1983	1982	1981	1980	1979*	1978*	1977*	1976	1975	1974
Alachua		2	4	9	5	2	3	4		5
Baker	2			1					1	
Bay	1	1	2		3	1	2	3		
Bradford		1		2						
Brevard	5	1			2		2	8	1	1
Broward			1				1			
Calhoun			1	2						
Charlotte					1		1	1		
Citrus	1	1					3	1	1	1
Clay	5	1	1				1	1	1	
Collier			1		2	2	3			3
Columbia		3	4	4	2	1	3	3		
Dade		1		1		1	2	1		8
Desoto		1			1		1	1		
Dixie			1							1
Duval	22	4	6	9	4	2	3	7	1	2
Escambia	19	2	1	1						1
Flagler			3	1	1				3	
Franklin		1								
Gadsden	5	1	3	1	4	1		3		
Gilchrist				1				1		
Glades										
Gulf						1			1	
Hamilton	1	1	2	1	1	1	3	2		
Hardee	3		2	2	3		2			
Hendry									1	
Hernando	1	2								1
Highlands			1	2						1
Hillsborough	3	1	3	2	5	6	5	11	3	2
Holmes	3		5	3	2			3	2	2
Indian River	1							1		
Jackson	3	2	7	1	3	1	2	3	1	1
Jefferson	2		2	4	2			1	1	
Lafayette				4	1					
Lake	1	3	3	3	2				1	
Lee	1	2	7	2	3				1	
Leon	13	12		13	5	3	2	3	2	
Levy		1			1	1	1			1
Liberty										
Madison		2	3	3		2	1	3		1
Manatee			2	1	2	1			2	3
Marion	6	1	7	4	5		9	1	1	2
Martin	2									
Monroe										
Nassau		4		1	1		2	5	2	1
Okaloosa	4	1	1	2	2	1	2			1
Okeechobee	1									
Orange	1	3	1	1	1	1	3	9	2	1
Osceola		2				2	1	1		
Palm Beach		2	1	1						
Pasco	1	1								
Pinellas										
Polk	9	3	10	2		1	2	1		3
Putnam	1	2	3	2	1		2	1	1	
St. Johns	1	2	2			5	3	1	2	
St. Lucie		2								
Santa Rosa	3	2						1		
Sarasota	3			5	2	5	21	4	1	3
Seminole	3	1	1	1	1	1	1	5		1
Sumter							1			
Suwannee			14	3	2		2			2
Taylor		1	1	1		1				
Union										2
Volusia	1	3	7	7	3		2	6	1	
Wakulla				1	2	1				
Walton	2	2	3	3	2	1	1	2	2	
Washington	1	2		3	2	2			1	
STATE TOTAL	131	80	116	110	79	47	93	98	37	50

*Revised

TABLE 4

ANIMAL RABIES - LABORATORY CONFIRMED CASES, BY COUNTY, BY SPECIES, BY MONTH OF REPORT, FLORIDA, 1983

County	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alachua													
Baker									2 Bats				2
Bay			1 Bat										1
Bradford													
Brevard									3 Bats	1 Bat	1 Rac		5
Broward													
Calhoun													
Charlotte													
Citrus								1 Cat					1
Clay								1 Bat	2 Bats	2 Bats			5
Collier													
Columbia													
Dade													
DeSoto													
Dixie													
Duval			1 Rac		1 Rac			5 Bats	11 Bats	2 Bats 2 Rac			22
Escambia							3 Bats	4 Bats	9 Bats	2 Bats		1 Bat	19
Flagler													
Franklin													
Gadsden		1 Rac	1 Rac			1 Rac		1 Rac	1 Rac				5
Gilchrist													
Glades													
Gulf													
Hamilton									1 Rac				1
Hardee							1 Dog				1 Rac	1 Rac	3
Hendry													
Hernando				1 Cow									1
Highlands													
Hillsborough									1 Bat	1 Bat	1 Rac		3
Holmes				1 Rac				2 Rac					3
Indian River								1 Bat					1
Jackson								1 Rac	1 Rac			1 Rac	3
Jefferson				1 Rac						1 Rac			2
Lafayette													
Lake								1 Bat					1
Lee									1 Rac				1
Leon	1 Rac			1 Rac		1 Bobcat	1 Rac 1 Bat	1 Rac	3 Rac	2 Rac 2 Bats			13
Levy													
Liberty													
Madison													
Manatee													
Marion		1 Rac		1 Cat		1 Rac	1 Rac	1 Rac				1 Rac	6
Martin						1 Bat				1 Bat			2
Monroe													
Nassau													
Okaloosa	1 Rac								2 Bats		1 Bat		4
Okeechobee						1 Skunk							1
Orange								1 Bat					1
Osceola													
Palm Beach													
Pasco							1 Bat						1
Pinellas													
Polk	1 Rac					1 Rac		1 Bat	2 Rac	2 Rac	1 Rac	1 Rac	9
Putnam												1 Rac	1
St. Johns												1 Rac	1
St. Lucie													
Santa Rosa								1 Bat	1 Bat		1 Rac		3
Sarasota								2 Bats	1 Bat				3
Seminole									1 Rac			2 Rac	3
Sumter													
Suwannee													
Taylor													
Union													
Volusia				1 Rac									1
Wakulla													
Walton			1 Rac		1 Rac								2
Washington							1 Rac						1
TOTAL	3	2	4	6	2	6	9	24	42	18	6	9	131

ZOONOTIC DISEASES

Brucellosis

Seven cases of brucellosis were reported in 1983 compared with a mean of 10.8 cases for the previous 5 years (1978-1982). All cases had onset between March and September. All except one (Duval County) occurred in either Central (Sumter, DeSoto, Hernando and Hillsborough Counties) or South Florida (Dade and Palm Beach Counties). Five were male and two female. Two were children ages 7 and 15, one was 20-29 years of age, two were 30-39 and two were 40-49. Source of exposure was documented in only 4 cases. One of the children was exposed to a goat and hog. Of the adults one was a dairy worker and two had contact with unspecified domestic livestock.

Leptospirosis

Four cases of leptospirosis were reported in 1983 compared with a mean of 13 cases for the previous 5 years (1978-1982). All cases had onset between February and November. They occurred in Manatee (1), Polk (1), Levy (1) and Duval (1) Counties. All were male and two were 20-29 years of age, one was 50-59 and one was over 60 years of age. All cases had documented contact with animals prior to onset. Occupations included veterinarian, cattle broker, navy seaman and retiree.

Psittacosis

Three cases of psittacosis were reported in 1983 compared to a mean of 2.4 cases for the previous 5 years (1978-1982). All cases had onset between January and November. Two occurred in Sarasota County and one in Pinellas County. Two were female and one male with one 20-29 years of age, one 30-39 and one 60-69. One case worked in a pet shop and the other two had contact with newly purchased psittacine birds.

Rocky Mountain Spotted Fever

Three cases of rocky mountain spotted fever were reported during 1983 as compared with a mean of 10 cases reported during the previous 5 years (1978-1982). All had onset between May and October. Two occurred in Central (Seminole and Alachua Counties) and one in South (Broward County) Florida. All were male and two were 20-29 years of age and one 60-69. All had exposure to ticks within two weeks prior to onset.

ZOONOTIC DISEASES - Reported cases by disease, by county, Florida, 1983

DISEASES

	BRUCELLOSIS	LEPTOSPIROSIS	PSITTACOSIS	ROCKY MOUNTAIN SPOTTED FEVER
Alachua				1
Baker				
Bay				
Bradford				
Brevard				
Broward				1
Calhoun				
Charlotte				
Citrus				
Clay				
Collier				
Columbia				
Dade	1			
DeSoto	1			
Dixie				
Duval	1	1		
Escambia				
Flagler				
Franklin				
Gadsden				
Gilchrist				
Glades				
Gulf				
Hamilton				
Hardee				
Hendry				
Hernando	1			
Highlands				
Hillsborough	1			
Holmes				
Indian River				
Jackson				
Jefferson				
Lafayette				
Lake				
Lee				
Leon				
Levy		1		
Liberty				
Madison				
Manatee		1		
Marion				
Martin				
Monroe				
Nassau				
Okaloosa				
Okeechobee				
Orange				
Osceola				
Palm Beach	1			
Pasco				
Pinellas			1	
Polk		1		
Putnam				
St. Johns				
St. Lucie				
Santa Rosa				
Sarasota			2	
Seminole				1
Sumter	1			
Suwannee				
Taylor				
Union				
Volusia				
Wakulla				
Walton				
Washington				
STATE TOTAL	7	4	3	3

SECTION 5:

SUMMARY OF ACQUIRED IMMUNE DEFICIENCY SYNDROME

Prepared by the AIDS Program
Joyner Sims, Ph.D., Program Administrator

AIDS

Cases of AIDS in Florida have been voluntarily reported by physicians to the State Health Office since 1981. In 1983, the State Health Officer declared AIDS a notifiable disease. At the same time, a formal program for surveillance was established with a three year cooperative agreement with the Centers for Disease Control (CDC). All practicing physicians in the state were notified and mailed a copy of the case definition and requested to report cases of AIDS meeting the definition.

For purposes of epidemiologic surveillance and reporting, the CDC defines a case of AIDS as a person who has a reliably diagnosed disease that is at least moderately indicative of an underlying cellular immunodeficiency (other than human immunodeficiency virus infection) or of increased susceptibility to that disease. The total reported cases of AIDS in Florida for 1983 (208) more than doubled the total diagnosed up through 1982 (102).

Morbidity

As of December 31, 1983 a total of 310 cases of AIDS were reported to the Florida Department of Health and Rehabilitative Services with onset of illness occurring from 1980 through 1983. Of these, five cases were diagnosed in 1980 as having an opportunistic disease associated with AIDS, 16 cases were diagnosed in 1981, 81 in 1982, and 208 in 1983.

Age, Race, and Sex

The distribution of reported AIDS cases in Florida by age group is shown in Table 1. For those diagnosed in 1983 the greatest number of cases occurred in the 30-39 year age group (32%), followed by those 40-49 years of age (25%), and those aged 25-29 years (19%). Ten pediatric cases (< 13 years of age) were diagnosed during this time period. Of these, 8 (80%) were under the age of one.

Of the total adult cases (198) diagnosed in 1983, 179 (90%) were male, and 19 were female. For all cases diagnosed in 1983, 100 (48%) were white, 82 (39%) were black, 25 (12%) were Hispanic, and one was of unknown race (Table 2).

Risk Category

Data by risk category for the cases diagnosed in 1983 are shown in Table 3. The greatest proportion of adult cases were identified as homosexual or bisexual men (54%), followed by those without other identified risks (23%) who were born in countries outside the United States in which heterosexual transmission is believed to play a major role, although precise means of transmission have not yet been fully defined. All of these cases were of Haitian origin. Intravenous drug use was the next most common factor associated with AIDS among Florida cases and accounted for 12% of the total. Among the 10 pediatric cases, all had a parent with AIDS or at risk for AIDS.

Disease Group

In 1983, 13 (6%) AIDS cases were reported to have both Kaposi's sarcoma (KS) and Pneumocystis carinii pneumonia (PCP) (Table 4). The greatest proportion of cases were diagnosed with PCP without KS (45%). The second most common opportunistic disease was KS, which accounted for 48 (23%) cases.

Geographic Distribution

Dade County accounted for the majority of cases diagnosed in 1983 with a total of 120 (58%), followed by the counties of Broward and Palm Beach which reported 28 (13%) and 18 (9%), respectively. A total of 16 counties throughout the state had at least one case of diagnosed AIDS during this time period (Table 5), however, the majority (84%) were residents of South Florida at onset of illness (Districts IX, X, or XI).

TABLE 1

Reported AIDS cases by age group, Florida, 1983

Age	Number (%)
< 1	8 (4)
1 - 4	2 (1)
5 - 9	0 (0)
10 - 14	0 (0)
15 - 19	2 (1)
20 - 24	17 (8)
25 - 29	39 (19)
30 - 39	67 (32)
40 - 49	53 (25)
50 - 59	17 (8)
60+	3 (1)
TOTAL	208 (100)

TABLE 2

Reported AIDS cases by race/ethnicity, Florida, 1983

Race/Ethnicity	Adult/ Adolescent Cases (%)	Pediatric Cases (%)	Total Cases (%)
White, Not Hispanic	99 (50)	1 (10)	100 (48)
Black, Not Hispanic	74 (37)	8 (80)	82 (39)
Hispanic	24 (12)	1 (10)	25 (12)
Other	0 (0)	0 (0)	0 (0)
Unknown	1 (1)	0 (0)	1 (0)
TOTAL	198 (100)	10 (100)	208 (100)

TABLE 3

Reported AIDS cases by patient group, Florida, 1983

Patient Groups	Adult/Adolescent		
	Males (%)	Females (%)	Total (%)
Homosexual or Bisexual Men	107 (60)	0 (0)	107 (54)
Intravenous (IV) Drug User	16 (9)	7 (37)	23 (12)
Homo/Bi IV Drug User	12 (7)	0 (0)	12 (6)
Hemophiliac	1 (1)	0 (0)	1 (1)
Heterosexual contact	2 (1)	1 (5)	3 (2)
Born in NIR Country	37 (21)	8 (42)	45 (23)
Transfusion with blood/products	2 (1)	3 (16)	5 (3)
None of the Above / Other	2 (1)	0 (0)	2 (1)
Total	179 (100)	19 (100)	198 (100)

Patient Groups	Pediatric		
	Males (%)	Females (%)	Total (%)
Hemophiliac	0 (0)	0 (0)	0 (0)
Parent at risk / has AIDS	5 (100)	5 (100)	10 (100)
Transfusion with blood/products	0 (0)	0 (0)	0 (0)
None of the Above / Other	0 (0)	0 (0)	0 (0)
Total	5 (100)	5 (100)	10 (100)

TABLE 4

Reported AIDS cases by disease category, Florida, 1983

Disease Category	Adult/Adolescent		Pediatric	
	Cases (%)	Deaths (%)	Cases (%)	Deaths (%)
KS without PCP	46 (23)	31 (67)	2 (20)	2 (100)
Both KS and PCP	11 (6)	11 (100)	2 (20)	2 (100)
PCP without KS	89 (45)	81 (91)	4 (40)	4 (100)
OI without KS or PCP	52 (26)	40 (77)	2 (20)	2 (100)
Total	198 (100)	163 (82)	10 (100)	10 (100)

Disease Category	Total	
	Cases (%)	Deaths (%)
KS without PCP	48 (23)	33 (69)
Both KS and PCP	13 (6)	13 (100)
PCP without KS	93 (45)	85 (91)
OI without KS or PCP	54 (26)	42 (78)
Total	208 (100)	173 (83)

TABLE 5

Reported AIDS cases by County of Residence at Onset of Illness, Florida, 1983

District / County	Number (%)
II	
Leon	1 (0.48)
III	
Alachua	2 (0.96)
Hernando	1 (0.48)
Marion	2 (0.96)
IV	
Duval	4 (1.92)
V	
Pinellas	2 (0.96)
VI	
Polk	1 (0.48)
VII	
Brevard	1 (0.48)
Orange	3 (1.44)
Seminole	1 (0.48)
VIII	
Lee	2 (0.96)
Sarasota	1 (0.48)
IX	
Palm Beach	18 (8.65)
X	
Broward	28 (13.46)
XI	
Dade	120 (57.69)
Monroe	9 (4.33)
Department of Corrections	9 (4.33)
Unknown	3 (1.44)
TOTAL	208 (100.0)

SECTION 6:

SUMMARY OF SEXUALLY TRANSMITTED DISEASES

Prepared by Sexually Transmitted Disease Program
Jack E. Wroten, Program Supervisor

SYPHILIS

Morbidity Trends

In 1983, 8,404 reports of syphilis represented a 468 case increase (5.9%) over 7,936 reported in 1982. This represents a 91.7% increase over 1980 when 4,384 cases were reported. Since 1980, significant increases have occurred for all stages of syphilis (91.7% overall); primary and secondary (85.2%), early latent (134.6%), late and late latent (60.6%), and congenital (733.3%).

Despite a rise in population of 832,087 between 1980 and 1983, the rate per 100,000 for all stages of syphilis jumped from 44.7 to 79.0 (see chart below).

Year	Population	Total Syphilis		Primary & Secondary		Early Latent		Late & Late Latent		Congenital	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
1983	10,645,793	8404	79.0	4179	39.3	2501	23.5	1699	16.0	25	0.24
1982	10,555,498	7936	75.2	4149	39.3	1884	17.9	1895	18.0	8	0.08
1981	10,108,564	5971	59.1	3036	30.3	1376	13.6	1552	15.4	7	0.07
1980	9,813,706	4384	44.7	2257	23.0	1066	10.9	1058	10.8	3	0.03

The majority (67.0%) of the 4,179 cases of primary and secondary syphilis were reported in persons 15 to 29 years old. Those 15 to 19 accounted for 12.3% (515 cases); those 20 to 24, for 29.0% (1,212 cases); and those 25 to 29 for 25.7% (1,075 cases).

Closer analysis of the cases reported in 1983 shows that 6,680 (79.5%) were early and that 4,179 (49.7%) of these were infectious. Only 795 (19.0%) of the infectious cases and 367 (14.7%) of the early latent cases were reported by private health care providers. Males accounted for 4,259 (63.7%) of the early reports for a male to female ratio of 1:1.8. Black males comprise the majority (42.6%) of infectious cases and black females represent 28.4% of the infectious cases. White males, however, accounted for 937 (22.4%) of the infectious cases; only 175 (4.0%) of white females were reported with infectious disease.

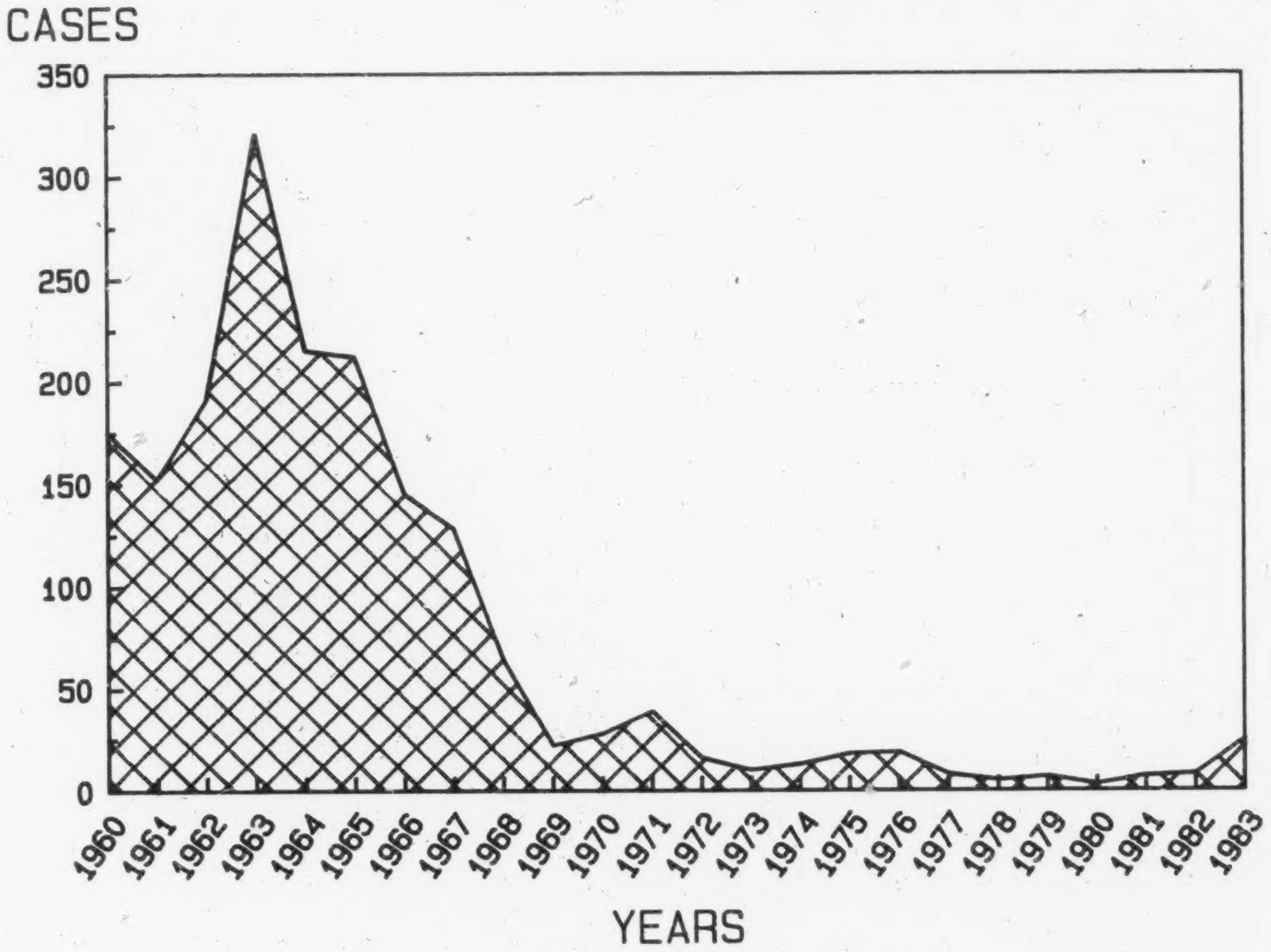
There were twenty-five reported cases of congenital syphilis this year. The vast majority of these cases were reported from Broward (9 cases) and Dade (6 cases) Counties, accounting for 60% of the state total. With proper prenatal care, these cases could have been prevented.

Primary & Secondary SYPHILIS - Reported Cases
By County, Florida, 1982-1983

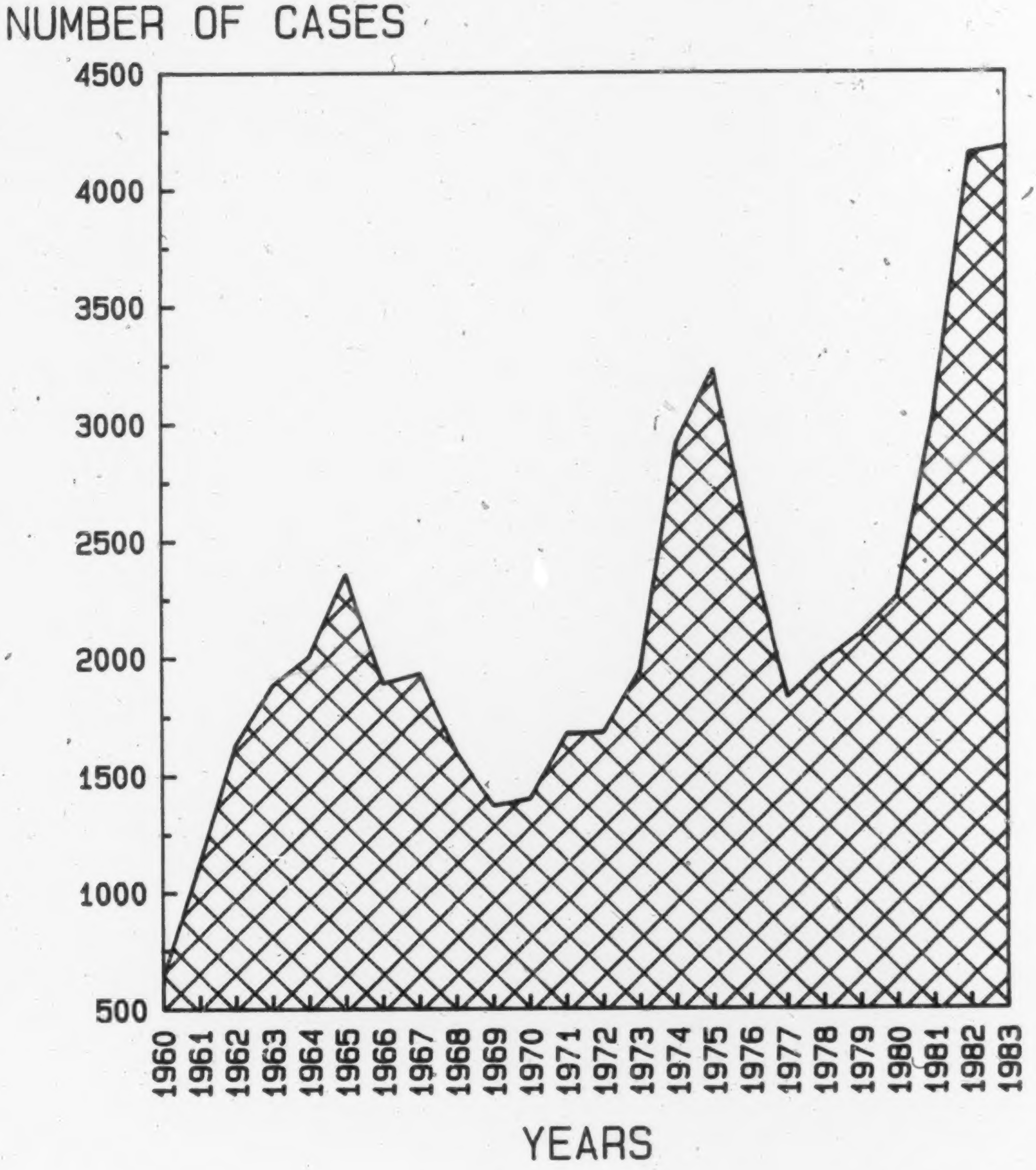
	1983	1982	%Change
Alachua	57	43	+32.6
Baker	-	1	-100.0
Bay	9	12	-25.0
Bradford	5	3	+66.7
Brevard	70	51	+37.3
Broward	390	324	+20.4
Calhoun	8	-	*
Charlotte	3	3	-
Citrus	1	1	-
Clay	4	2	+100.0
Collier	44	16	+175.0
Columbia	24	12	+100.0
Dade	1429	1237	+15.6
DeSoto	5	8	-37.5
Dixie	-	-	-
Duval	220	238	-7.6
Escambia	97	109	-11.0
Flagler	-	3	-100.0
Franklin	-	7	-100.0
Gadsden	53	30	+76.7
Gilchrist	-	1	-100.0
Glades	1	-	*
Gulf	-	-	-
Hamilton	4	5	-20.0
Hardee	9	1	+800.0
Hendry	4	3	+33.3
Hernando	3	-	*
Highlands	25	13	+92.3
Hillsborough	381	594	-35.9
Holmes	1	-	*
Indian River	31	11	+181.8
Jackson	7	2	+250.0
Jefferson	6	1	+500.0
Lafayette	-	-	-
Lake	29	20	+45.0
Lee	99	108	-8.3
Leon	78	121	-35.6
Levy	4	2	+100.0
Liberty	-	-	-
Madison	-	5	-100.0
Manatee	30	21	+42.9
Marion	37	43	-14.0
Martin	25	8	+212.5
Monroe	26	33	-21.2
Nassau	5	1	+400.0
Okaloosa	4	6	-33.3
Okeechobee	3	-	*
Orange	218	220	-0.9
Osceola	8	9	-11.1
Palm Beach	214	260	-17.7
Pasco	16	12	+33.3
Pinellas	165	222	-25.7
Polk	75	112	-33.0
Putnam	16	4	+300.0
St. Johns	10	2	+400.0
St. Lucie	83	61	+36.1
Santa Rosa	3	1	+200.0
Sarasota	37	35	+5.7
Seminole	41	49	-16.3
Sumter	1	2	-50.0
Suwannee	10	12	+16.7
Taylor	7	14	-50.0
Union	-	1	-100.0
Volusia	18	22	-18.2
Wakulla	3	2	+50.0
Walton	1	1	-
Washington	3	2	+50.0
Institutions	19	7	+171.4
STATE TOTAL	4179	4149	+0.7

(-) Indicates no change in morbidity from prior period
(*) Indicates percent change calculation cannot be made.

CONGENITAL SYPHILIS, REPORTED CASES
FLORIDA, 1960-1983



PRIMARY & SECONDARY SYPHILIS
REPORTED CASES FLORIDA, 1960-1983



GONORRHEA

Morbidity Trends

In 1983, there were 53,370 cases of gonorrhea reported in Florida, a 14.9% decrease from 1982. That number is 9,332 less than 1982 (62,702 cases). Gonorrhea cases in Florida have not fallen below the 60,000 level since 1977. Cases reported between 1978 and 1983 have ranged from a high of 65,437 in 1980 to the current low of 53,370 in 1983. Only this year and 1981, show a decrease from the previous year. The encouraging aspect about reported gonorrhea since 1977, is that rates per 100,000 population have steadily declined. This, of course, is due to vigorous growth in population which on the average has increased approximately 349,000 per year for the past five years. The statewide screening program to detect asymptomatic females has also impacted on the rate.

While gonorrhea rates may be decreasing statewide, the incidence of penicillin resistant gonorrhea certainly has not nor has it since 1980. Penicillinase-producing Neisseria gonorrhoeae (PPNG) has steadily increased over the past three years from 15 cases in 1980 to 1,253 cases in 1983. Despite vigorous efforts to control its incidence, cases rose to 1,253 in 1983, an increase of 37.1% over 1982.

In 1983, 21,206 women were reported with gonorrhea in Florida, and 10.1% were found to have gonococcal pelvic inflammatory disease (GPID). Priorities continue to be maintained in detecting young females diagnosed with GPID and identifying their sex contacts for referral, examination, and treatment.

During 1983, 32,164 men (60.3% of total cases) were reported with gonorrhea in Florida. The typical infected male is between 20 and 29 years of age (60.9% of total males), black (65.4% of total males), heterosexual, and resides in the intercity neighborhoods, where morbidity is traditionally highest in Florida.

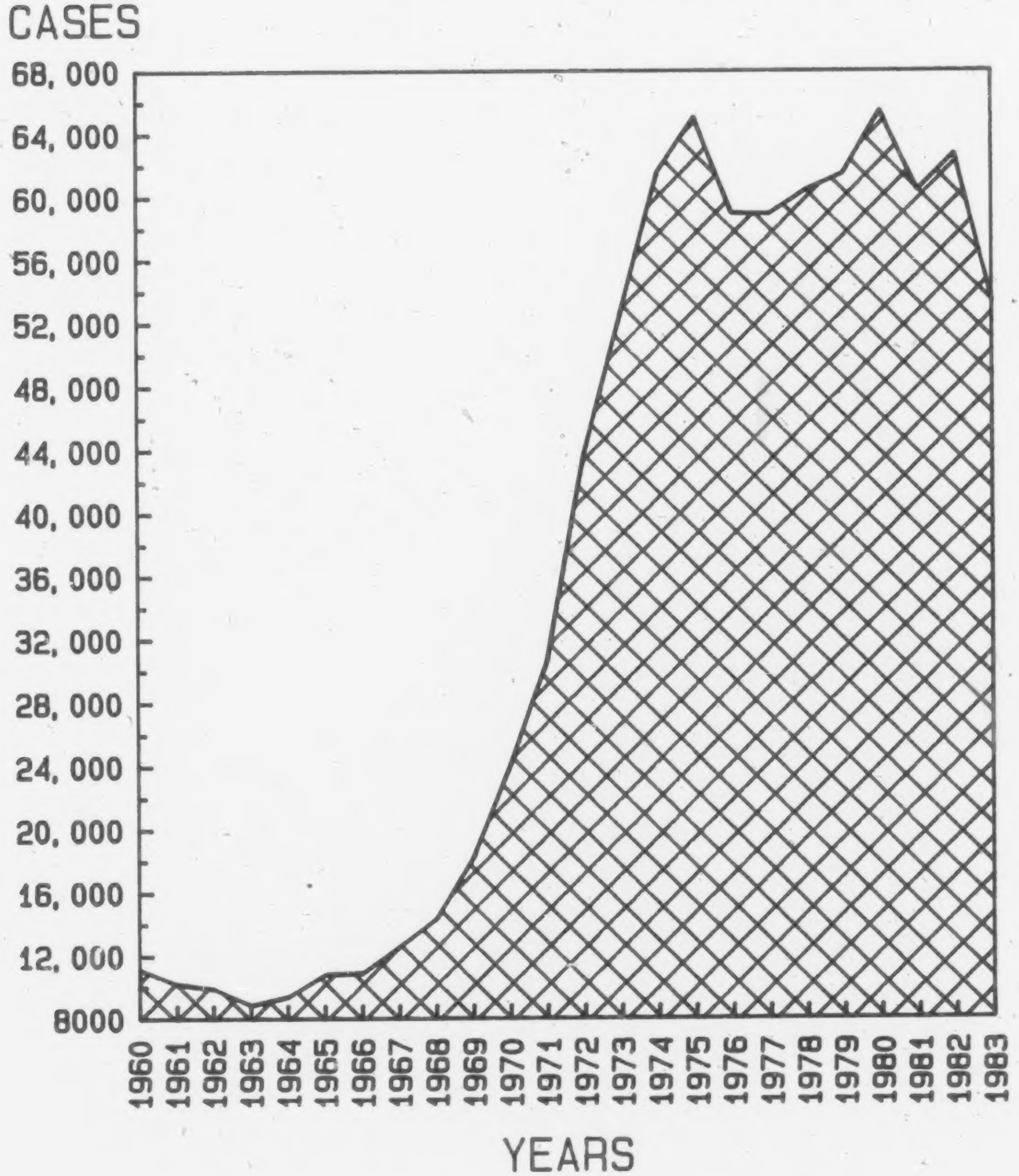
GONORRHEA - Reported Cases By County, Florida, 1982-1983

	1983	1982	%Change
Alachua	1158	1081	+7.1
Baker	62	54	+14.8
Bay	703	667	+5.4
Bradford	60	120	-50.0
Brevard	1083	871	+24.3
Broward	4314	5159	-16.4
Calhoun	13	13	-
Charlotte	34	69	-50.7
Citrus	78	73	+6.8
Clay	112	154	-27.3
Collier	421	711	-40.8
Columbia	251	324	-22.5
Dade	7816	9702	-19.4
DeSoto	309	509	-39.3
Dixie	69	75	-8.0
Duval	5959	7462	-20.1
Escambia	1945	2096	-7.2
Flagler	26	48	-45.8
Franklin	6	18	-66.7
Gadsden	446	406	-10.1
Gilchrist	8	14	-42.9
Glades	8	6	+33.3
Gulf	10	-	*
Hamilton	64	137	-53.3
Hardee	107	72	+48.6
Hendry	64	148	-56.8
Hernando	161	142	+13.4
Highlands	241	256	-5.9
Hillsborough	4994	6059	-17.6
Holmes	16	-	*
Indian River	250	359	-30.4
Jackson	90	125	-28.0
Jefferson	41	22	+86.4
Lafayette	3	26	-88.5
Lake	466	644	-27.6

	1983	1982	%Change
Lee	1164	1435	-18.9
Leon	1477	1624	-9.1
Levy	52	45	+15.6
Liberty	4	7	-42.9
Madison	33	21	+57.1
Manatee	1568	508	+208.7
Marion	598	616	-2.9
Martin	163	228	-28.6
Monroe	329	667	-50.7
Nassau	84	93	-9.7
Okaloosa	345	343	-0.6
Okeechobee	64	77	-16.9
Orange	3391	4721	-28.2
Osceola	102	215	-52.6
Palm Beach	3099	3486	-11.1
Pasco	253	242	+4.5
Pinellas	3518	3999	-12.0
Polk	2031	2070	-1.9
Putnam	135	224	-39.7
St. Johns	152	177	-14.1
St. Lucie	515	818	-37.0
Santa Rosa	118	151	-21.9
Sarasota	919	904	+1.7
Seminole	469	511	-8.2
Sumter	180	228	-21.1
Suwannee	68	118	-42.4
Taylor	96	94	+2.1
Union	66	33	+100.0
Volusia	906	1271	-28.7
Wakulla	21	18	+16.7
Walton	23	40	-42.5
Washington	37	6	+516.7
Institutions	2	-	*
STATE TOTAL	53370	62702	-14.9

(-) Indicates no change in morbidity from prior period
(*) Indicates percent change calculation cannot be made.

GONORRHEA-CASES REPORTED
FLORIDA, 1960-1983



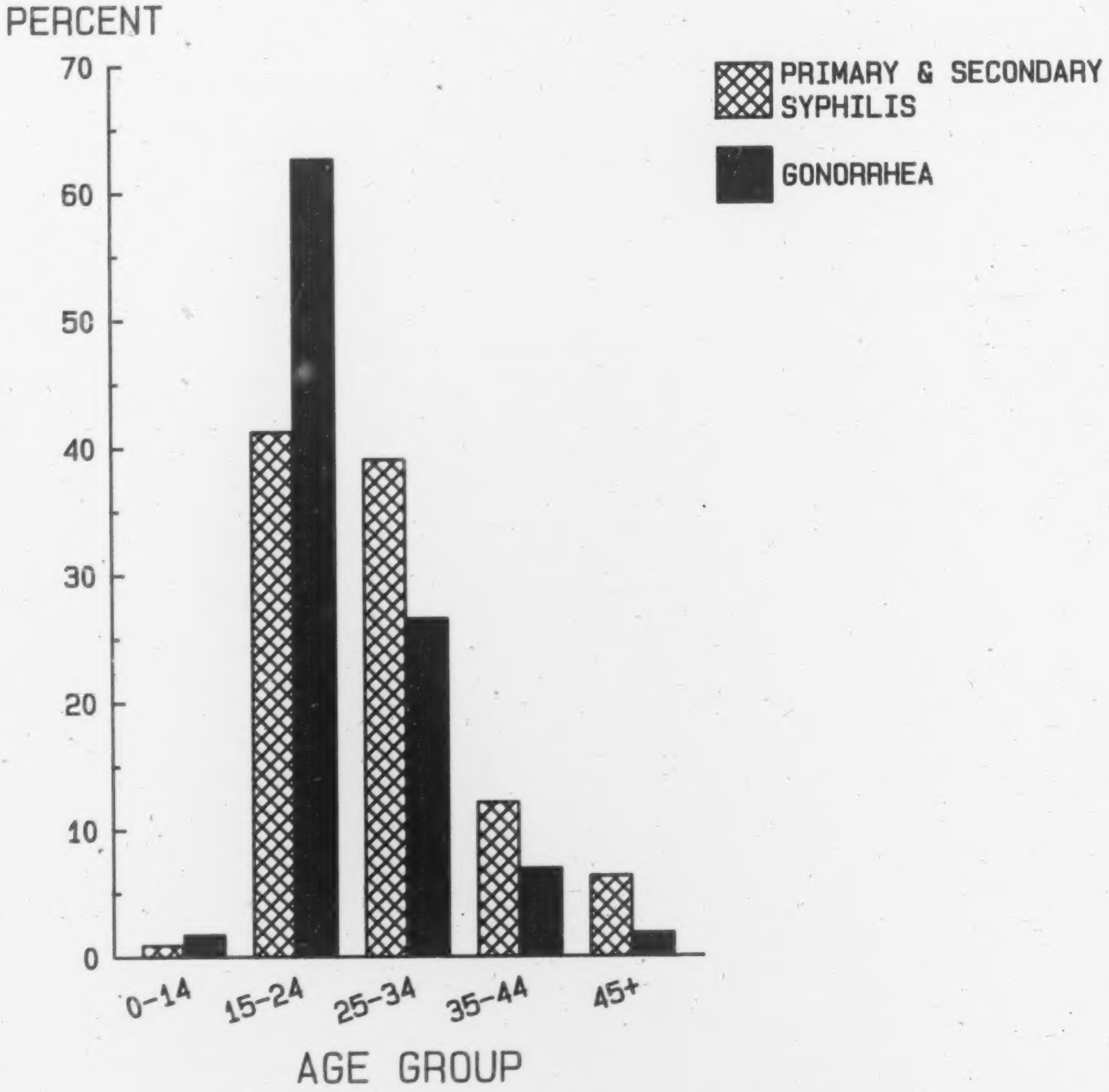
REPORTED SYPHILIS AND GONORRHEA CASES AND RATES
PER 100,000 POPULATION, FLORIDA, 1957 - 1983

Year	Population	Total Syphilis		Primary & Secondary		Early Latent		Late & Late Latent		Congenital		Gonorrhea	
		Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
1983	10,645,793	8,404	79.0	4,179	39.3	2,501	23.5	1,699	16.0	25	0.24	53,370	501.7
1982	10,555,498	7,936	75.2	4,149	39.3	1,884	17.9	1,895	18.0	8	0.08	62,702	595.7
1981	10,108,564	5,971	59.1	3,036	30.0	1,376	13.6	1,552	15.4	7	0.07	60,354	597.0
1980	9,813,706	4,384	44.7	2,257	23.0	1,066	10.9	1,058	10.8	3	0.03	65,437	666.8
1979	9,294,250	4,567	49.1	2,099	22.6	1,297	14.0	1,164	12.5	7	0.08	61,427	660.9
1978	8,966,395	4,648	51.8	1,978	22.1	1,350	15.1	1,315	14.7	5	0.06	60,382	673.4
1977	8,717,334	4,543	52.1	1,828	21.0	1,957	22.4	750	8.6	8	0.1	58,843	675.0
1976	8,551,814	5,528	64.6	2,481	29.0	2,154	25.2	874	10.2	19	0.2	58,921	689.0
1975	8,485,230	6,328	74.6	3,228	38.0	1,981	23.3	1,101	13.0	18	0.2	65,031	766.4
1974	8,248,851	5,518	66.9	2,915	35.3	1,624	19.7	966	11.7	13	0.2	61,507	745.6
1973	7,845,100	4,339	55.3	1,946	24.8	1,227	15.6	1,156	14.7	10	0.1	52,582	670.3
1972	7,441,500	3,692	49.6	1,680	22.6	1,189	16.0	807	10.8	16	0.2	43,688	587.1
1971	7,024,600	3,651	52.0	1,675	23.8	1,156	16.5	781	11.1	39	0.6	30,659	436.5
1970	6,841,500	2,983	43.6	1,398	20.4	990	14.5	567	8.3	28	0.4	24,089	352.1
1969	6,651,400	3,147	47.3	1,368	20.6	868	13.0	889	13.4	22	0.3	18,257	274.5
1968	6,468,700	3,615	55.9	1,595	24.7	898	13.9	1,058	16.3	64	1.0	14,331	221.5
1967	6,287,000	4,378	69.6	1,933	30.7	861	13.7	1,456	23.2	128	2.0	12,563	199.8
1966	6,105,900	5,699	93.3	1,890	30.9	972	15.9	2,692	44.1	145	2.4	10,884	178.3
1965	5,924,700	6,132	103.5	2,356	39.8	1,037	17.5	2,527	42.6	212	3.6	10,803	182.3
1964	5,743,000	5,908	102.9	2,005	34.9	1,011	17.6	2,667	46.6	215	3.8	9,402	163.7
1963	5,560,100	6,945	124.9	1,883	33.8	999	18.0	3,742	67.3	321	5.8	8,867	159.5
1962	5,375,600	6,004	111.7	1,632	30.4	1,505	28.0	2,676	49.8	191	3.5	9,902	165.6
1961	5,188,900	5,324	102.6	1,118	21.6	1,561	30.0	2,493	48.0	152	2.9	10,215	196.9
1960	4,999,000	4,115	82.3	639	12.8	1,047	20.9	2,254	45.1	175	3.5	11,122	222.5
1959	4,790,000	4,332	90.4	344	7.2	916	19.1	2,875	60.0	197	4.1	11,172	233.2
1958	4,571,000	3,186	69.7	201	4.4	741	16.2	2,056	45.0	188	4.1	10,329	240.5
1957	4,245,000	5,514	129.9	213	5.0	1,068	25.2	3,971	93.5	262	6.2	9,725	229.1

* Beginning in 1978 the early latent syphilis category is limited to latent infections under 1 year's duration. The infections over 1 year's duration are now classified as late and late latent.

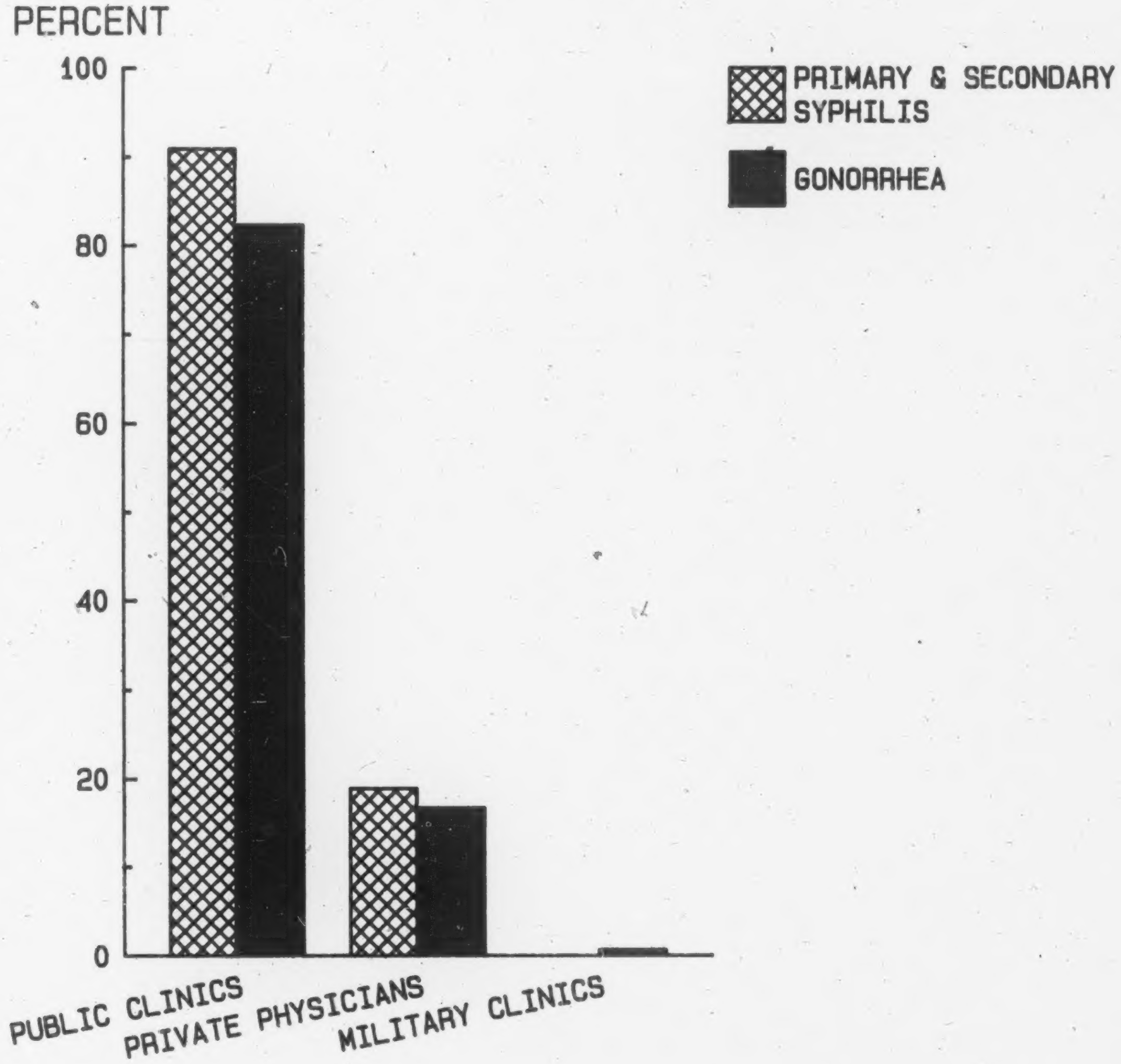
GONORRHEA & INFECTIOUS SYPHILIS CASES REPORTED BY AGE GROUP

FLORIDA, 1983



GONORRHEA & INFECTIOUS SYPHILIS CASES REPORTED BY SOURCE

FLORIDA, 1983



SECTION 7:

Summary of Tuberculosis

Prepared by Tuberculosis Control Program
Marianne B. McEuen, M.D., Acting Director

TUBERCULOSIS

Trends

Florida continues to have one of the highest tuberculosis case rates in the United States. Among the 50 states, Florida ranked 9th in 1983 as compared with 4th in 1982. There were 1,457 new cases of tuberculosis reported in Florida in 1983, representing only a 0.7% decrease (10 cases) from the 1,467 cases in 1982. However, the 1983 tuberculosis case rate of 13.6 per 100,000 population is an all-time low for Florida (Table 1). Since 1975, there has been a 17.1% decrease in the total number of new cases reported.

Race, Sex, and Age

The distribution of reported cases by race and sex has continued virtually unchanged for the past several years. Although 45.0% of the 1,457 cases reported in 1983 occurred in the white population, the case rate of 46.6 for the non-white population is nearly 3 1/2 times greater than the white rate of 13.6 (Figure 1, Table 2). Males accounted for 69.3% of the new cases. Persons 25-64 years of age represented 63.9% of the reported cases and those 65 and older, 24.4%. Persons less than 25 years of age accounted for only 11.7% of the reported cases.

Case rates for these same variables, presented in Table 2, also show higher rates occurred in the older age groups, in males, and in non-whites. With the exception of the very young, in whom case rates have decreased more rapidly over time, and of the non-white male in whom the case rate peaks prior to age 65, case rates increase with age, regardless of race or sex (Figure 2, Table 2). The difference in tuberculosis case rates among men and women becomes apparent after 25 years of age and progresses into a widening gap as the population grows older, with the highest rates occurring in the non-white males ages 45 to 64.

Bacteriologic Confirmation

Of the 1,457 cases reported in 1983, bacteriologic results were available at the time of report for 1,395 cases (95.7%). 1,313 cases (90.1%) were reported to have positive findings and 82 (5.6%) were negative. Bacteriologic results were not reported for 62 cases (4.3%) (Figure 3).

Site of Disease

Pulmonary tuberculosis accounted for 89.2% of reported cases in 1983, and extra-pulmonary disease accounted for 10.8% (Table 3). Since 1976, the decrease in the number of tuberculosis cases was largely due to a reduction in pulmonary disease (Figure 4).

Geographic Distribution

Tuberculosis data for Florida, by HRS District and County, is presented in Table 4 and Figure 5. District VI reported the highest case rate (18.5) for 1983 with the lowest occurring in District V (8.4). Eight counties (Calhoun, Dixie, Franklin, Gilchrist, Glades, Hamilton, Levy, and Liberty) did not report any cases in 1983. This is the second straight year that there were no cases reported in Calhoun, Franklin, and Glades Counties. Gilchrist and Liberty Counties have not reported a single case of tuberculosis since 1978. The majority of new cases (58.8%) reported during 1983 were from seven large city/county areas (Dade, Duval, Broward, Hillsborough, Palm Beach, Orange and Pinellas). Forty-three counties recorded rates below the state average of 13.6 and 34 counties had rates less than 10.0 per 100,000 population.

TABLE 1

Tuberculosis - Reported Cases and Rates
per 100,000 Population, United States and Florida,
1973 - 1983

YEAR	United States				Florida			
	Number	Rate	Percent Change		Number	Rate	Percent Change	
			Number	Rate			Number	Rate
1973	30,998	14.8	-5.7	-6.3	1,487	19.3	-2.0	-8.1
1974	30,122	14.2	-2.8	-4.1	1,460	17.7	-1.8	-8.3
1975	33,989	15.9	----	----	1,758	21.0	----	----
1976	32,105	15.0	-5.5	-5.7	1,630	19.4	-7.3	-7.6
1977	30,145	13.9	-6.1	-7.3	1,674	19.8	+2.6	+2.0
1978	28,521	13.1	-5.4	-5.8	1,724	20.1	+2.9	+1.5
1979	27,669	12.6	-3.0	-3.8	1,628	18.4	-5.6	-8.5
1980	27,749	12.3	+0.3	-2.4	1,647	16.9	+1.2	-8.2
1981	27,373	11.9	-1.4	-3.3	1,553	15.3	-5.7	-9.5
1982	25,520	11.0	-6.8	-7.6	1,467	13.9	-5.5	-9.2
1983	23,846	10.2	-6.6	-7.3	1,457	13.6	-0.7	-0.9

NOTE: Case data subsequent to 1974 are not comparable to prior years due to changes in reporting criteria which became effective in 1975.

Data prior to 1975 included only newly diagnosed cases, whereas data subsequent to 1975 include both newly diagnosed and reactivated cases.

FIGURE 1

TUBERCULOSIS - Reported Cases by Age, Race, and Sex, Florida, 1983

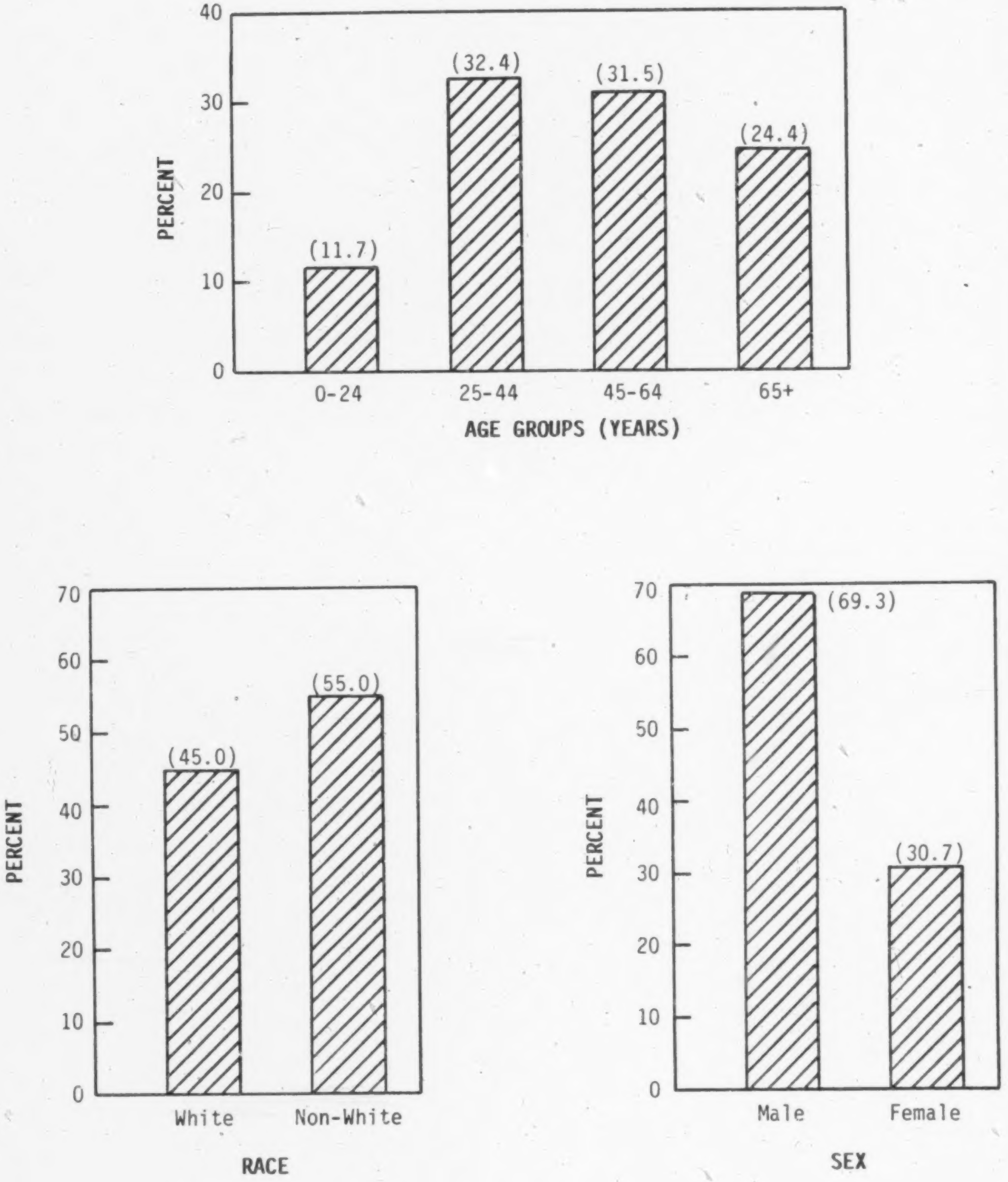


FIGURE 2

TUBERCULOSIS - Reported Case Rates by Age Groups, Florida, 1983

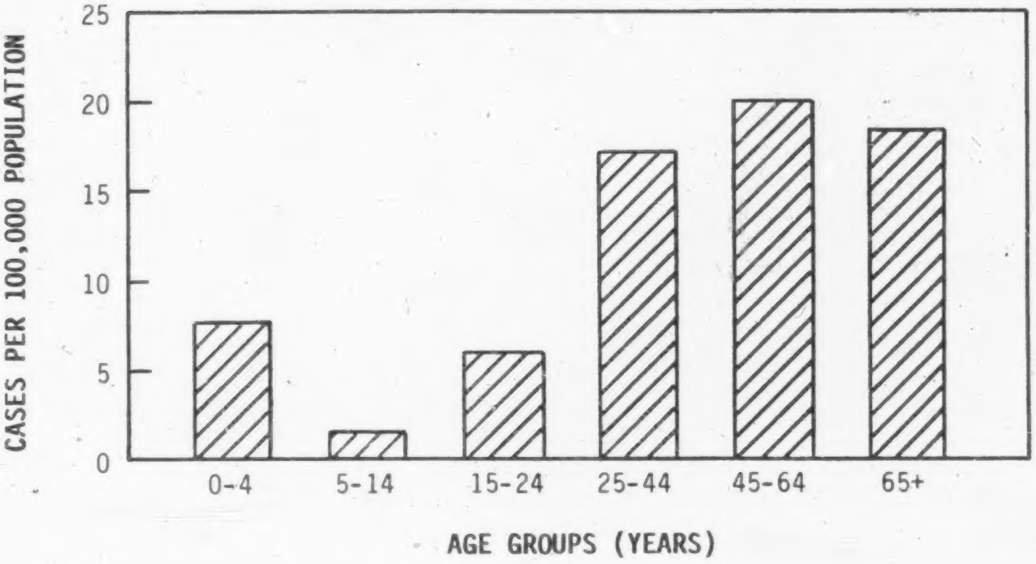


TABLE 2

TUBERCULOSIS - Reported Case Rates Per 100,000 Population by Age, Race, and Sex, Florida, 1983

AGE GROUP	Total	White			Non-White		
		Total	Male	Female	Total	Male	Female
0-4	7.7	1.7	2.9	0.5	23.2	27.2	19.1
5-14	1.4	0.5	0.4	0.7	3.8	2.5	5.2
15-24	6.1	2.1	2.9	1.3	20.7	22.4	19.0
25-44	17.0	6.4	8.3	4.5	67.9	100.0	39.1
45-64	20.0	11.2	18.9	4.5	90.5	160.6	32.4
65+	18.3	13.2	19.1	8.7	89.6	146.6	50.1
All Ages	13.6	7.3	10.6	4.4	46.6	67.9	27.1

FIGURE 3

TUBERCULOSIS - Reported Cases by Bacteriological Status At Time of Report, Florida, 1983

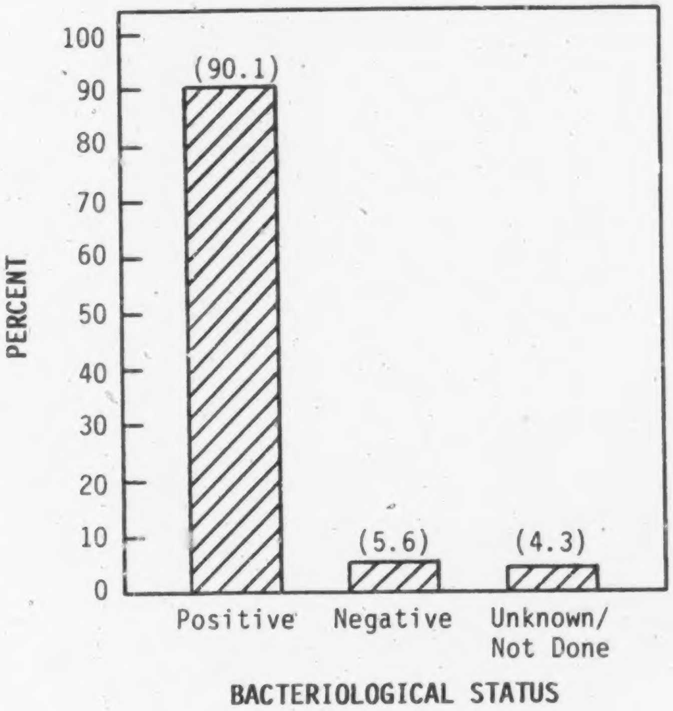


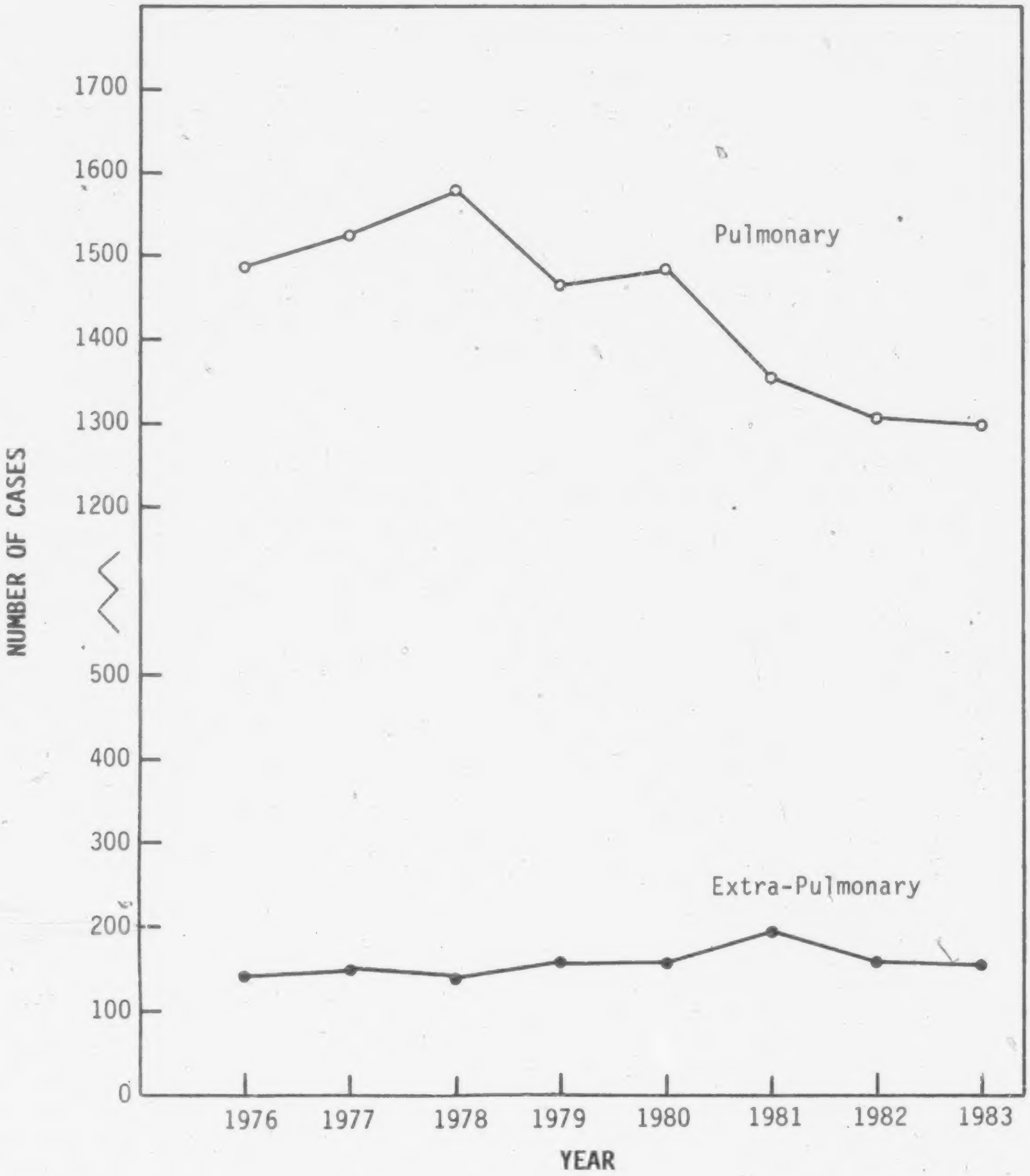
TABLE 3

TUBERCULOSIS - Reported Cases and Percent by Site of Disease, Florida, 1983

Disease Site	Reported Cases	
	Number	Percent
Pulmonary	1,300	89.2
Extra-Pulmonary		
Pleural	38	
Lymphatic	37	
Bone and/or Joint	11	
Genitourinary	22	
Miliary	23	
Meningeal	5	
Peritoneal	6	
Other	15	
Total Extra-Pulmonary	157	10.8
Total All Cases	1,457	100.0

FIGURE 4

Number of Reported Pulmonary and Extra-Pulmonary Tuberculosis Cases
Florida, 1976 - 1983



	1976	1977	1978	1979	1980	1981	1982	1983
○ Pulmonary	1,489	1,525	1,582	1,469	1,488	1,358	1,308	1,300
● Extra-Pulmonary	141	149	142	159	159	195	159	157
TOTAL	1,630	1,674	1,724	1,628	1,647	1,553	1,467	1,457

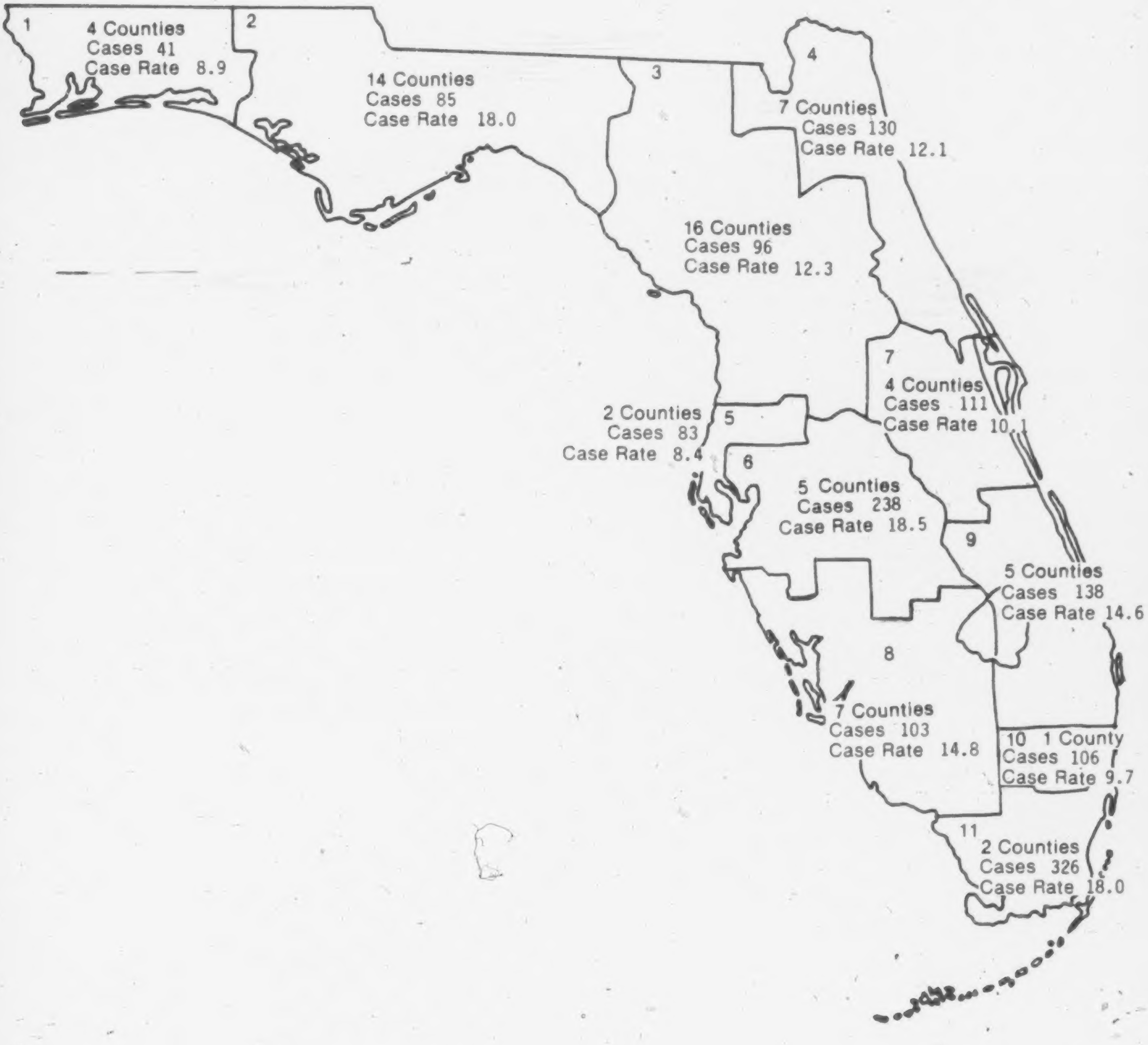
TABLE 4

TUBERCULOSIS - Reported Cases and Rates Per 100,000 Population, By Rank, By County, Florida, 1983

County	Number of Cases	Rate Per 100,000 Population	Rank
Alachua	20	12.1	29
Baker	2	12.2	28
Bay	34	31.0	6
Bradford	1	4.7	51
Brevard	20	6.3	45
Broward	106	9.7	36
Calhoun	0	0.0	55
Charlotte	4	5.5	48
Citrus	4	6.1	47
Clay	3	4.0	53
Collier	32	30.0	7
Columbia	2	5.2	50
Dade	318	18.3	18
DeSoto	9	42.6	4
Dixie	0	0.0	55
Duval	85	14.5	22
Escambia	27	10.7	32
Flagler	1	7.2	41
Franklin	0	0.0	55
Gadsden	12	27.6	10
Gilchrist	0	0.0	55
Glades	0	0.0	55
Gulf	2	18.5	17
Hamilton	0	0.0	55
Hardee	10	49.8	2
Hendry	4	18.7	16
Hernando	2	3.4	54
Highlands	10	18.2	19
Hillsborough	117	16.8	21
Holmes	1	6.3	45
Indian River	7	9.8	35
Jackson	5	12.6	27
Jefferson	3	26.5	13
Lafayette	2	48.1	3
Lake	33	28.5	8
Lee	32	13.2	25
Leon	10	6.2	46
Levy	0	0.0	55
Liberty	0	0.0	55
Madison	5	33.3	5
Manatee	17	10.3	33
Marion	10	7.0	42
Martin	4	5.2	50
Monroe	8	11.8	30
Nassau	2	5.3	49
Okaloosa	9	7.3	40
Okeechobee	6	24.9	14
Orange	71	13.9	23
Osceola	6	9.4	37
Palm Beach	92	13.8	24
Pasco	15	6.8	43
Pinellas	68	8.8	38
Polk	84	24.1	15
Putnam	7	12.7	26
St. Johns	6	9.8	35
St. Lucie	29	26.7	12
Santa Rosa	4	6.6	44
Sarasota	22	9.9	34
Seminole	14	6.8	43
Sumter	7	27.1	11
Suwannee	7	28.4	9
Taylor	10	57.2	1
Union	1	8.0	39
Volusia	31	10.8	31
Wakulla	2	17.8	20
Walton	1	4.4	52
Washington	1	6.6	44
STATE TOTAL	1,457	13.6	--

FIGURE 5

TUBERCULOSIS - Reported Cases and Case Rates per 100,000 Population by Districts, Florida, 1983


1
4 Counties
Cases 41
Case Rate 8.9
2
14 Counties
Cases 85
Case Rate 18.0
3
16 Counties
Cases 96
Case Rate 12.3
4
7 Counties
Cases 130
Case Rate 12.1
5
2 Counties
Cases 83
Case Rate 8.4
6
5 Counties
Cases 238
Case Rate 18.5
7
4 Counties
Cases 111
Case Rate 10.1
8
7 Counties
Cases 103
Case Rate 14.8
9
5 Counties
Cases 138
Case Rate 14.6
10 1 County
Cases 106
Case Rate 9.7
11
2 Counties
Cases 326
Case Rate 18.0

This publication was produced by the HRS Communicable Disease / Epidemiology Program at an annual cost of $4,189.70, or $5.58 per copy, to inform the public about communicable disease morbidity statistics in Florida, in accordance with Chapter 381, F.S. HRS complies with the state and federal nondiscrimination policies relating to race, sex, age and handicapping conditions.

FLORIDA
MORBIDITY STATISTICS
1984

HRS

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REHABILITATIVE SERVICES

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INTRODUCTION

This is the 40th edition of the Florida Morbidity Statistics. The series begun in 1945 in order to provide a variety of users with detailed information not previous available in the State Board of Health Annual Reports. Data on the reported incidence of notifiable communicable diseases are presented in a table and figure format with narrative interpretations when appropriate. These and some unpublished records for the years 1918 through 1944 are available upon request from the Florida Department of Health and Rehabilitative Services (DHRS), State Health Office (SHO) Epidemiology Program.

Sources of Data

Data in this document are based on case reports furnished to County Public Health Units (CPHUs) by private physicians, hospitals, and others. Other sources of data include death certificates and laboratory reports which are checked routinely for previously unreported cases of notifiable diseases.

Each CPHU designates an individual responsible for collecting, tabulating, and maintaining data on reportable notifiable diseases received from physicians and hospitals on a continuing basis. These data are initially recorded on a "Reportable Disease Control Log". From this, each CPHU prepares and submits to the District Administrator and SHO Epidemiology Program summary reports on all cases of notifiable diseases reported to it during the past seven days. On the basis of morbidity data for certain prescribed diseases received from CPHUs, the Epidemiology Program compiles statewide statistics and makes a weekly report to the Centers for Disease Control (CDC).

The population figures used in calculating the case rates for certain diseases are estimated by the Bureau of Economic and Business Research, College of Business Administration, University of Florida.

Epidemiologic Investigation

Individual case reports are verified as cases of the disease through investigations conducted by CPHU personnel. The CPHU director assigns those cases to be investigated to a nurse, environmental health specialist, or other appropriate personnel for follow-up. Most cases are physician-diagnosed and have appropriate laboratory verification. Individual case investigation forms are forwarded to the Epidemiology Program for review and, in some instances, forwarded to the CDC along with investigations from any outbreaks.

Report Orientation

Occurrence of cases by county is usually reported by residence of the case. Reports originating from hospitals and other places outside the ill person's county of residence are credited to the county of usual residence. Sexually transmitted diseases are reported by county of residence unless residing in an institution (i.e., prison) in which case they are attributed to an institutional, 68th category.

Computerized Data Base

The Epidemiology Program collects the data submitted and consolidates it for later analysis and interpretation. The consolidated data are forwarded to the HRS Data Center for electronic data processing purposes. The CDC is then notified by telephone of reports on selected communicable diseases. A computer printout of the electronically processed data is returned to the SHO Epidemiology Program.

ACKNOWLEDGEMENTS

The Epidemiology Program acknowledges the important role played by Charles Hartwig, Sc.D., Director of Laboratory Services, and his staff in the Central Laboratory, the Epidemiology Research Center, and the six branch laboratories, in the prevention and control of communicable diseases. Other HRS units which contribute substantially to this overall effort are the Office of Vital Statistics and the Office of Management Systems and Computer Services.

Special thanks go to Departmental employees in the Sexually Transmitted Disease, Tuberculosis, Immunization, and AIDS Programs for their efforts in the prevention, surveillance, and control of communicable diseases, especially Jack Wroten, Program Supervisor, Sexually Transmitted Disease Program, Marianne B. McEuen, M.D., Acting Director, Tuberculosis Control Program, Henry T. Janowski, M.P.H., Program Supervisor, Immunization Program, and Joyner Sims, Ph.D., Program Administrator, AIDS Program.

Laura MacLafferty, Statistician, Communicable Disease Program, is thanked especially for her assistance in the preparation of all graphic material in this report.

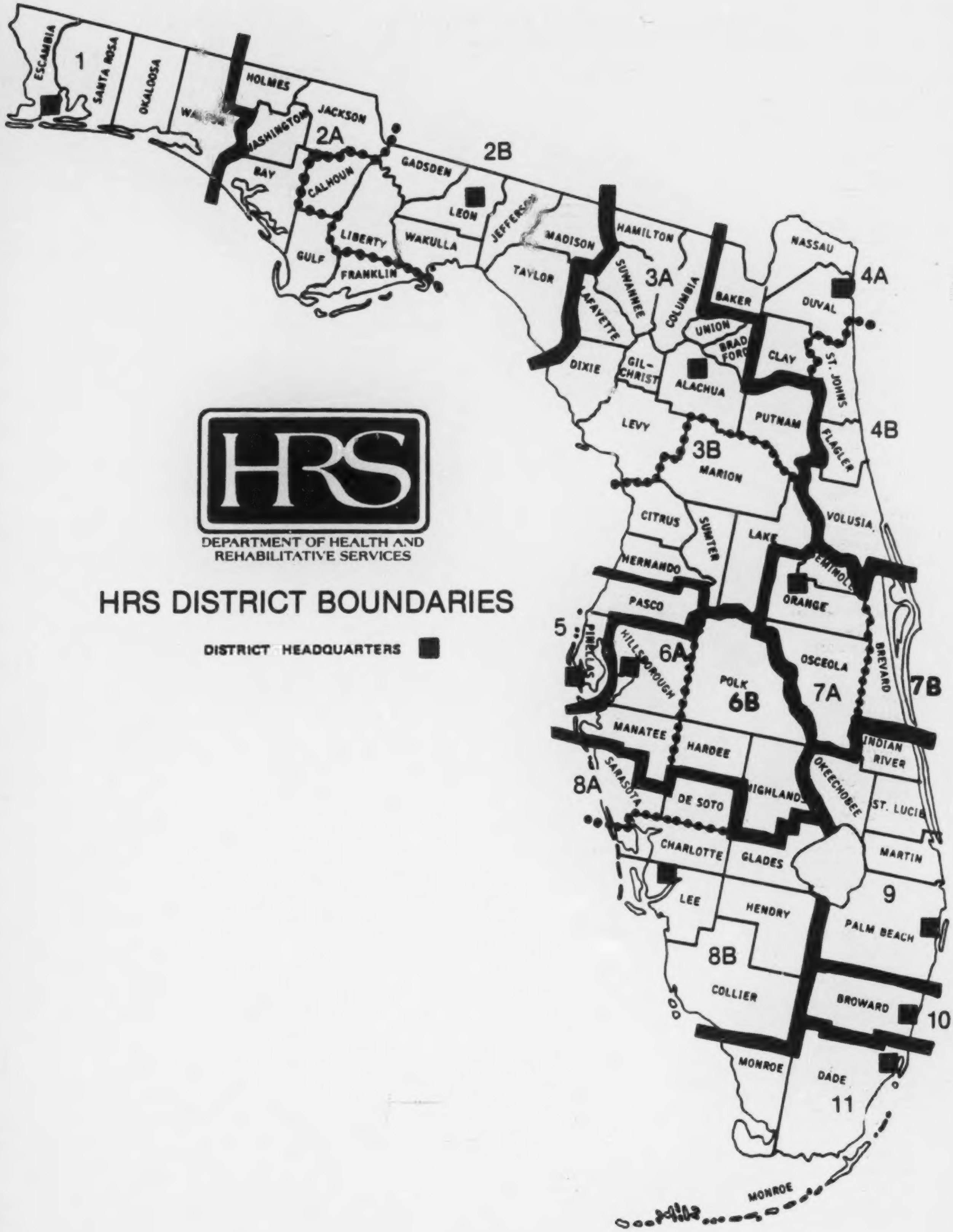
Further acknowledgement is made to HRS Districts and CPHUs for their collective efforts in the statewide communicable disease morbidity surveillance and reporting system. The participation of physicians, hospitals, nurses, sanitarians, infection control nurses, epidemiology/communicable disease specialists, communicable disease report persons, and clerical staff is likewise greatly appreciated.

HRS

DEPARTMENT OF HEALTH AND
REHABILITATIVE SERVICES

HRS DISTRICT BOUNDARIES

DISTRICT HEADQUARTERS ■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ESCAMBIA
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OKALOOSA
WALTON
HOLMES
WASHINGTON
JACKSON
2A
BAY
CALHOUN
GULF
LIBERTY
FRANKLIN
GADSDEN
2B
LEON
WAKULLA
JEFFERSON
MADISON
TAYLOR
HAMILTON
SUWANNEE
LAFAYETTE
3A
COLUMBIA
DIXIE
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UNION
BRADFORD
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NASSAU
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ALACHUA
LEVY
PUTNAM
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FLAGLER
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VOLUSIA
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6B
OSCEOLA
7A
BREVARD
7B
MANATEE
HARDEE
INDIAN RIVER
SARASOTA
8A
DE SOTO
HIGHLANDS
OKEECHOBEE
ST. LUCIE
CHARLOTTE
GLADES
MARTIN
LEE
HENDRY
9
PALM BEACH
8B
COLLIER
BROWARD
10
MONROE
DADE
11
MONROE

ALPHABETICAL LIST OF FLORIDA COUNTIES WITH 1984 MIDYEAR POPULATION ESTIMATES AND DISTRICT NUMBERS

COUNTY	POPULATION	DISTRICT
Alachua	169,452	3
Baker	17,174	4
Bay	114,034	2
Bradford	23,208	3
Brevard	326,624	7
Broward	1,106,710	10
Calhoun	9,328	2
Charlotte	75,169	8
Citrus	69,677	3
Clay	80,800	4
Collier	110,871	8
Columbia	38,821	3
Dade	1,752,641	11
DeSoto	21,274	8
Dixie	9,223	3
Duval	608,187	4
Escambia	258,358	1
Flagler	15,088	4
Franklin	8,297	2
Gadsden	44,017	2
Gilchrist	7,121	3
Glades	6,633	8
Gulf	11,103	2
Hamilton	9,185	3
Hardee	20,906	6
Hendry	21,887	8
Hernando	63,185	3
Highlands	56,614	6
Hillsborough	727,358	6
Holmes	15,402	2
Indian River	75,177	9
Jackson	39,997	2
Jefferson	11,445	2
Lafayette	4,379	3
Lake	120,975	3
Lee	255,077	8
Leon	164,314	2
Levy	22,090	3
Liberty	4,468	2
Madison	15,466	2
Manatee	166,737	6
Marion	150,741	3
Martin	78,480	9
Monroe	69,152	11
Nassau	38,032	4
Okaloosa	130,297	1
Okeechobee	24,136	9
Orange	534,671	7
Osceola	71,422	7
Palm Beach	690,174	9
Pasco	228,115	5
Pinellas	787,205	5
Polk	357,831	6
Putnam	55,571	3
St. Johns	65,056	4
St. Lucie	112,870	9
Santa Rosa	62,261	1
Sarasota	233,216	8
Seminole	217,371	7
Sumter	26,683	3
Suwannee	24,997	3
Taylor	17,682	2
Union	10,513	3
Volusia	297,982	4
Wakulla	12,820	2
Walton	24,425	1
Washington	14,886	2
STATE TOTAL*	11,015,061	

*State population increased 3.47 percent from 1983.

SECTION 1:

Summary of Selected Notifiable Diseases

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF ONSET, FLORIDA, 1984

DISEASES	Totals	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK
Amebiasis	99	3	5	3	3	3	4	3	1	5	10	5	7	47
Encephalitis, Post-Infectious	22	2	2	0	3	4	0	1	0	3	3	2	1	1
Encephalitis (other, excluding arthropod-borne)	55	5	4	0	2	8	5	5	7	6	3	2	6	2
Hepatitis A	779	60	55	63	71	82	71	69	49	40	50	56	61	52
Hepatitis B	1593	124	111	131	106	97	115	133	118	117	124	119	120	178
Hepatitis NANB Asso. w/Blood or Blood Products	98	7	3	11	5	12	5	10	2	3	13	7	9	11
Hepatitis NANB Not Asso. w/Blood/Blood Products	243	24	21	17	12	23	20	17	11	21	26	20	19	12
Hepatitis, Unspecified	248	19	21	16	18	22	17	21	19	20	21	20	16	18
Legionnaires' Disease	13	2	1	3	0	0	0	0	1	1	1	2	2	0
Malaria	33	4	4	3	3	1	6	2	0	2	0	3	3	2
Measles (Rubeola)	30	0	3	2	5	4	5	0	8	0	0	0	3	0
Meningitis, Aseptic	487	38	20	38	30	61	52	44	54	31	33	36	32	18
Meningitis, Haemophilus Influenzae	408	23	43	37	27	36	31	24	17	25	44	39	52	10
Meningitis, Meningococcal	150	24	21	26	14	11	9	4	7	5	6	8	14	1
Meningitis, Other Bacterial	360	40	41	27	24	25	25	30	27	18	31	25	33	14
Mumps	47	10	1	4	2	6	5	3	4	1	3	4	4	0
Pertussis	91	5	5	4	3	7	9	14	9	9	3	10	12	1
Rubella (Excluding Congenital)	28	5	6	1	4	1	1	1	1	1	2	1	4	0
Salmonellosis	1859	119	76	93	115	138	156	178	178	191	210	192	94	119
Shigellosis	1032	52	118	104	46	54	88	72	98	69	104	75	85	67

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES, FLORIDA, 1975-1984

DISEASES	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Encephalitis, Post-Infectious	22	27	24	23	21	12	6	8	19	37
Encephalitis (other, excluding arthropod-borne)	55	53	74	46	59	55	92	42	26	44
Hepatitis A**	779	961	1123	1509	2278	1883	1755	1375	2360	2967
Hepatitis B	1593	1398	1356	1512	1222	981	966	796	774	613
Hepatitis NANB Asso. w/Blood or Blood Products	98	56	75	74	51	82	+	+	+	+
Hepatitis NANB Not Asso. w/Blood/Blood Products	243	196	183	105	+	+	+	+	+	+
Hepatitis, Unspecified	248	295	477	530	788	741	583	400	xxxxx	xxxxx
Gonorrhea	51212	53370	62702	60354	65437	61427	60382	58843	58921	65031
Legionnaires' Disease	13	23	28	22	12	47	+	+	+	+
Malaria	33	31	35	49	86	32	40	23	22	12
Measles (Rubeola)	30	159	246	345	432	938	1203	308	342	116
Meningitis, Aseptic	487	588	873	673	654	319	311	258	189	195
Meningitis, Haemophilus Influenzae	408	333	337	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meningitis, Meningococcal	150	124	147	256	218	203	232	131	90	91
Meningitis, Other Bacterial	360	325	667	551	487	424	+	+	+	+
Mumps	47	26	48	145	195	216	318	285	387	1231
Pertussis	91	57	59	78	68	51	62	75	18	25
Reye Syndrome*	6	13	9	18	21	13	7	6	5	8
Rubella (Excluding Congenital)	28	70	32	67	109	318	214	197	53	153
Salmonellosis	1859	2332	2637	2194	2031	1853	1624	1192	1252	1269
Shigellosis	1032	700	585	784	927	808	857	498	315	488
Syphilis (All Stages)	8314	8404	7936	5971	4384	4567	4648	4543	5528	6328
Tuberculosis ++	1335	1457	1467	1553	1647	1628	1724	1674	1630	1758
Typhoid Fever	18	19	21	27	16	23	19	20	19	8

****Includes Hepatitis Unspecified 1971-1976**
+Not Reported This Year
xxxxxIncluded in Hepatitis A

++Since 1978, Includes New and Reactivated Cases
***Reporting Not Required**
N/A Data Not Available

REPORTED CASE RATES PER 100,000 POPULATION FOR SELECTED NOTIFIABLE DISEASES, FLORIDA, 1975-1984

DISEASES	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Encephalitis, Post-Infectious	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.4
Encephalitis (other, excluding arthropod-borne)	0.5	0.5	0.7	0.5	0.6	0.6	1.0	0.5	0.3	0.5
Hepatitis A**	7.1	9.0	10.6	14.8	23.2	20.3	19.6	15.8	27.6	35.0
Hepatitis B	14.5	13.1	12.8	14.8	12.5	10.6	10.8	9.1	9.1	7.2
Hepatitis NANB Asso. w/Blood or Blood Products	0.9	0.5	0.7	0.7	0.5	0.9	+	+	+	+
Hepatitis NANB Not Asso. w/Blood/Blood Products	2.2	1.8	1.7	1.0	+	+	+	+	+	+
Hepatitis, Unspecified	2.3	2.8	4.5	5.2	8.0	6.5	4.6	xxxxx	xxxxx	xxxxx
Gonorrhea	465.0	501.7	595.7	597.0	666.8	660.9	673.4	675.0	689.0	766.4
Legionnaires' Disease	0.1	0.2	0.3	0.2	0.1	0.5	+	+	+	+
Malaria	0.3	0.3	0.3	0.5	0.9	0.3	0.4	0.3	0.3	0.1
Measles (Rubeola)	0.3	1.5	2.3	3.4	4.4	10.1	13.4	3.5	4.0	1.4
Meningitis, Aseptic	4.4	5.5	8.3	6.6	6.7	3.4	3.5	3.0	2.2	2.3
Meningitis, Haemophilus Influenzae	3.7	3.1	3.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meningitis, Meningococcal	1.4	1.2	1.4	2.5	2.2	2.2	2.6	1.5	1.1	1.1
Meningitis, Other Bacterial	3.3	3.1	6.3	5.4	5.0	4.6	+	+	+	+
Mumps	0.4	0.2	0.5	1.4	2.0	2.3	3.5	3.3	4.5	14.5
Pertussis	0.8	0.5	0.6	0.8	0.7	0.5	0.7	0.9	0.2	0.3
Reye Syndrome	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Rubella (Excluding Congenital)	0.3	0.7	0.3	0.7	1.1	3.4	2.4	2.3	0.6	1.8
Salmonellosis	16.9	21.9	25.0	21.5	20.7	19.9	18.1	13.7	14.6	15.0
Shigellosis	9.4	6.6	5.5	7.7	9.4	8.7	9.6	5.7	3.7	5.8
Syphilis (All Stages)	75.5	79.0	75.2	59.1	44.7	49.1	51.8	52.1	64.6	74.6
Tuberculosis ++	12.2	13.6	13.9	15.3	16.9	18.4	20.1	19.8	19.4	21.0
Typhoid Fever	0.2	0.2	0.6	0.3	0.2	0.2	0.2	0.2	0.2	0.1

**Includes Hepatitis Unspecified 1971-1976
+Not reported this year
xxxxxIncluded in Hepatitis A

++Since 1978, Includes New and Reactivated Cases
N/A Data Not Available

REPORTED CASES OF NOTIFIABLE DISEASES OF INFREQUENT OCCURRENCE, FLORIDA, 1975 - 1984

DISEASE	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	Not Reported Prior to	Year Last Case Reported
Anthrax	0	0	0	0	0	0	0	0	0	0		1974
Botulism	0	0	1	1	0	0	1	0	0	1	1961	
Brucellosis	13	7	10	16	7	11	10	11	8	14		
Cholera (Group 01)	0	0	1	0	0	0	0	0	0	0		
Congenital Rubella	0	0	0	1	2	4	1	0	1	0	1971	
Dengue	0	0	1	13	1	0	7	3	0	0		
Diphtheria	0	0	0	1	0	0	0	0	0	0		
Histoplasmosis	3	2	3	2	1	4	1	3	1	1	1957	
Hansen's Disease (Leprosy)	8	8	8	1	4	9	2	3	5	9		
Leptospirosis	2	4	8	6	11	18	22	8	1	13	1950	
Polio	0	0	0	0	0	0	0	0	0	0		
Psittacosis	3	3	1	3	5	0	3	4	3	1	1954	
Rabies (Human)	0	0	0	0	0	0	0	0	0	0		1948
Rocky Mt. Spotted Fever	2	3	5	14	9	10	12	2	4	6	1947	
Schistosomiasis	3	10	3	2	3	1	0	0	0	0		
Smallpox	0	0	0	0	0	0	0	0	0	0		1946
Tetanus	7	4	2	5	4	8	10	14	9	5		
Toxoplasmosis	5	11	22	25	32	6	2	1	0	0	1964	
Tularemia	0	0	1	1	0	0	2	0	1	2		
Typhus Fever (Murine)	0	0	2	1	0	1	1	0	0	1	1946	

SECTION 2:

Analysis of Selected Notifiable Diseases

ENCEPHALITIS, POST-INFECTIOUS AND OTHER

In 1984, there were 77 cases of encephalitis, post-infectious and other (excluding arthropod-borne) reported in Florida, a 3.8% decrease from 1983 when 80 cases were reported. The overall case rate per 100,000 for the state population did not change significantly from last year, (0.8 per 100,000 in 1983 versus 0.7 per 100,000 in 1984).

Post-infectious and other encephalitis cases were reported from 25 (37.3%) of Florida's 67 counties, with the majority of cases reported from the major population centers. The number of cases by month of onset indicate a peak period in May (12 cases for that month).

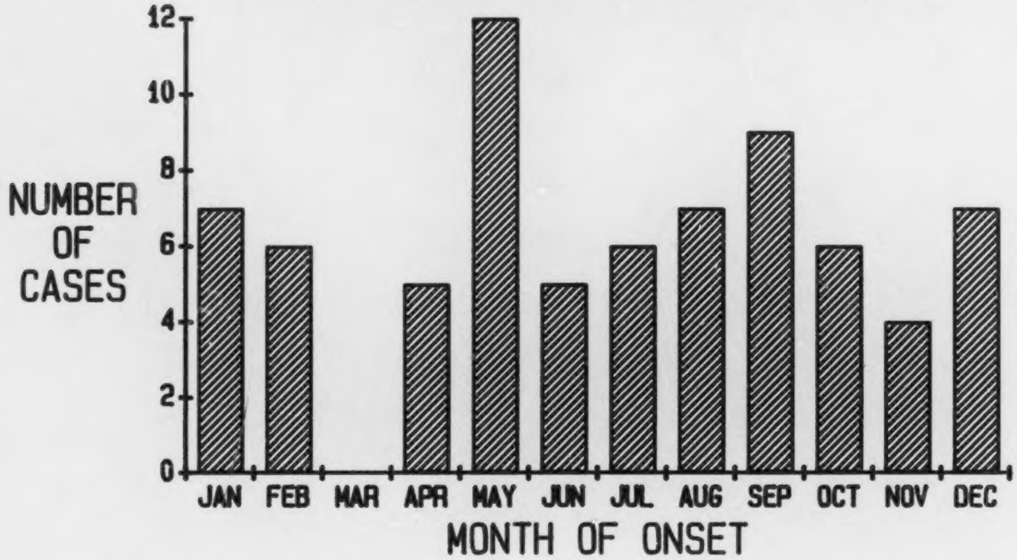
The highest age-specific incidence rate per 100,000 population was in the less than one year old age group (5 cases, 3.9 per 100,000), followed by those aged 5-9 (11 cases, 1.9 per 100,000). The case rate then decreased rapidly with increasing age.

ENCEPHALITIS, POST-INFECTIOUS AND OTHER (INCLUDING UNSPECIFIED AND EXCLUDING ARTHROPOD-BORNE) - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

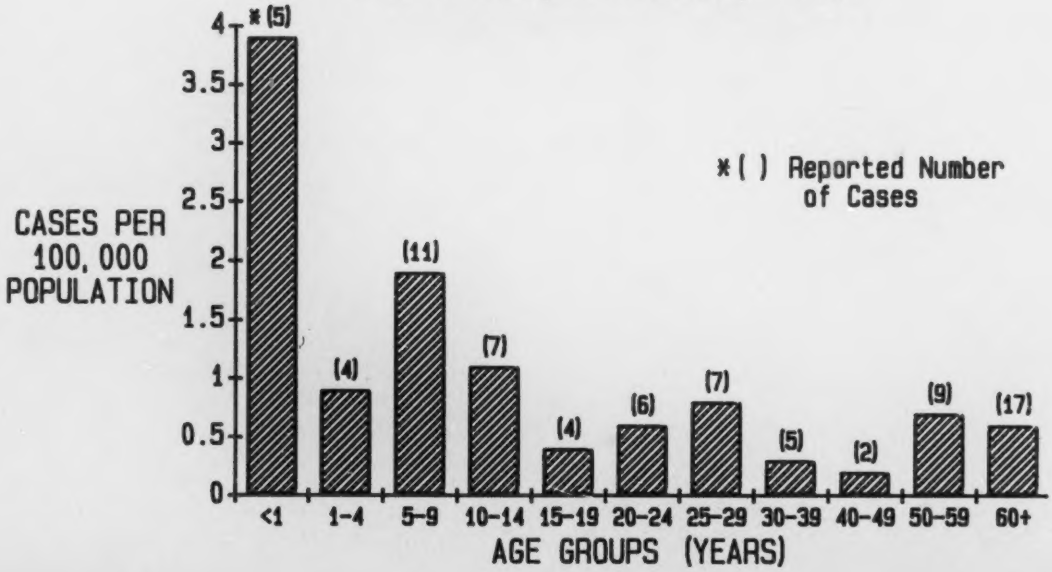
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. MEAN *
Alachua								1						1	0.6	0.4
Baker															0.0	2.0
Bay											2	1		3	2.6	0.3
Bradford															0.0	0.0
Brevard		1		1		1						1		4	1.2	1.0
Broward	1			1					2	2	2			8	0.7	0.6
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus									1					1	1.4	1.0
Clay	1									1				2	2.5	0.9
Collier															0.0	0.3
Columbia															0.0	0.9
Dade					1				1					2	0.1	0.1
DeSoto															0.0	0.0
Dixie															0.0	0.0
Duval		1		1	1							1		4	0.7	0.7
Escambia															0.0	0.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	9.9
Glades															0.0	5.3
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee							1	1						2	9.6	0.0
Hendry															0.0	1.6
Hernando												1	1	2	3.2	1.2
Highlands															0.0	1.3
Hillsborough					1		1		1					3	0.4	0.8
Holmes															0.0	0.0
Indian River												1		1	1.3	5.0
Jackson															0.0	0.8
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake					1			1	1					3	2.5	0.3
Lee	1							1	1					3	1.2	1.6
Leon															0.0	0.2
Levy					1									1	4.5	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee															0.0	0.2
Marion					1	1	1							3	2.0	0.0
Martin															0.0	0.5
Monroe															0.0	0.0
Nassau															0.0	0.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange	1			1	2			1						5	0.9	1.5
Osceola															0.0	6.5
Palm Beach	1	2				1								4	0.6	1.2
Pasco		1			1			1						3	1.3	0.8
Pinellas	1			1						1			2	5	0.6	0.3
Polk	1				2	1	1	1	1			1		8	2.2	5.1
Putnam															0.0	0.0
St. Johns					1				1					2	3.1	0.0
St. Lucie															0.0	0.7
Santa Rosa															0.0	0.6
Sarasota						1	2							3	1.3	0.6
Seminole															0.0	0.9
Sumter															0.0	0.0
Suwanee															0.0	0.0
Taylor												1		1	5.7	0.0
Union															0.0	0.0
Volusia		1								2				3	1.0	0.8
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	7	6	0	5	12	5	6	7	9	6	4	7	3	77	0.7	0.8

*1981-1983 Average Rate

ENCEPHALITIS, POST-INFECTIOUS AND OTHER - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



ENCEPHALITIS, POST-INFECTIOUS AND OTHER - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



ENCEPHALITIS, ARTHROPOD-BORNE

Eastern Equine Encephalitis (EEE)

In 1984, there were 2 serologically confirmed cases of EEE in Florida; a 55-year-old black male from Polk County who had onset of illness on June 28 and recovered with sequelae, and a 52-year-old black female from Duval County who had onset on September 24-25 and recovered.

St. Louis Encephalitis (SLE)

A serologically confirmed case of SLE occurred in a 20-year-old black male who had traveled from the Bahamas to Tampa on 6/30/84. Onset of symptoms occurred on 7/10/84 with eventual recovery with minor sequelae. The incubation period of SLE does not clarify whether exposure occurred in the Bahamas or Tampa. SLE has not been previously detected in humans or animals in the Bahamas.

Arbovirus Surveillance

During 1984 a total of 7,975 sentinel chicken sera from 30 counties were tested for Hemagluttination (HI) antibodies to EEE and SLE virus by the HRS Epidemiology Research Center in Tampa. Most of these sera were collected during the summer and fall when the EEE and SLE virus are most active. EEE virus activity was initially identified in 4 counties (Volusia, Polk, Duval, and Orange) the first week of July. EEE virus activity continued through December and was subsequently observed in the following counties: Leon, Lake, Putnam, Clay, Duval, Flagler, Nassau, St. Johns, Volusia, Pinellas, Hillsborough, Polk, Orange and Seminole.

SLE virus activity was initially identified via the seroconversion of 5 birds in Charlotte County the last week in August. By the end of December, the following South Florida counties had SLE seroconversions: Highlands, Hillsborough, Manatee, Charlotte, Collier, Glades/Hendry, Lee, Sarasota, Indian River, Palm Beach, Broward, and Dade.

MENINGITIS, ASEPTIC

In 1984, there were 487 cases of aseptic meningitis reported in Florida, a 17.2% decrease from 1983 when 588 cases were reported. The overall state case rate per 100,000 population decreased from 5.5 per 100,000 in 1983 to 4.4 per 100,000 in 1984.

Aseptic meningitis cases were reported from 41(61.2%) of Florida's 67 counties. The major population centers in the state accounted for most of the cases. Enteroviruses, which probably accounted for the majority of cases, are identified in most areas of the state. Enterovirus transmission occurs most frequently during late spring, summer, and fall which coincides with the peak incidence of aseptic meningitis cases during the months May through August.

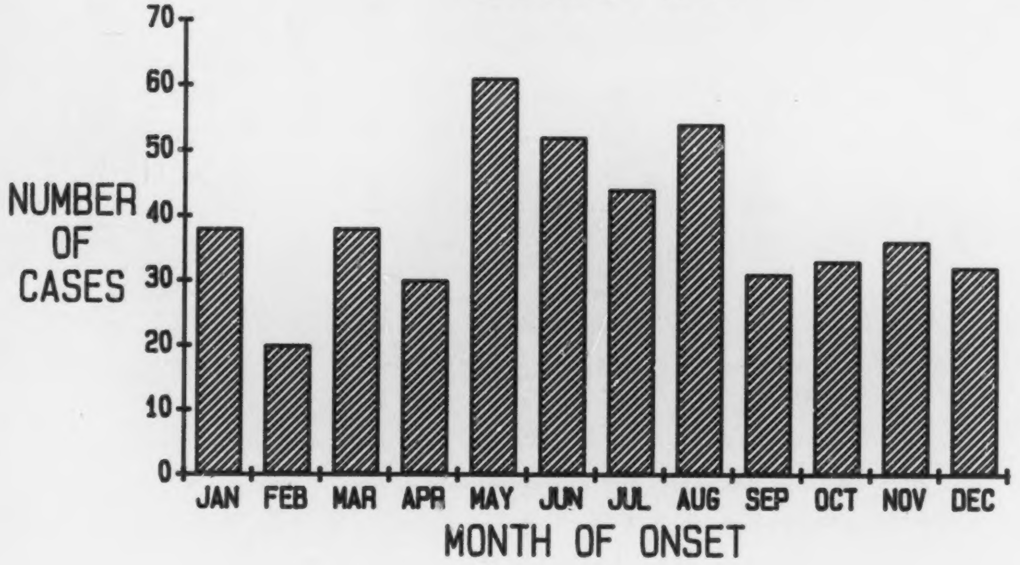
The highest age-specific incidence rate per 100,000 population was in the less than 1-year-old age group (129 cases, 101.8 per 100,000). The case rate then decreased rapidly with increasing age. The slightly elevated case rate in the age groups 1-4, 5-9, 20-24, and 25-29 may represent familial and parental associations with infants and young children.

MENINGITIS, ASEPTIC - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

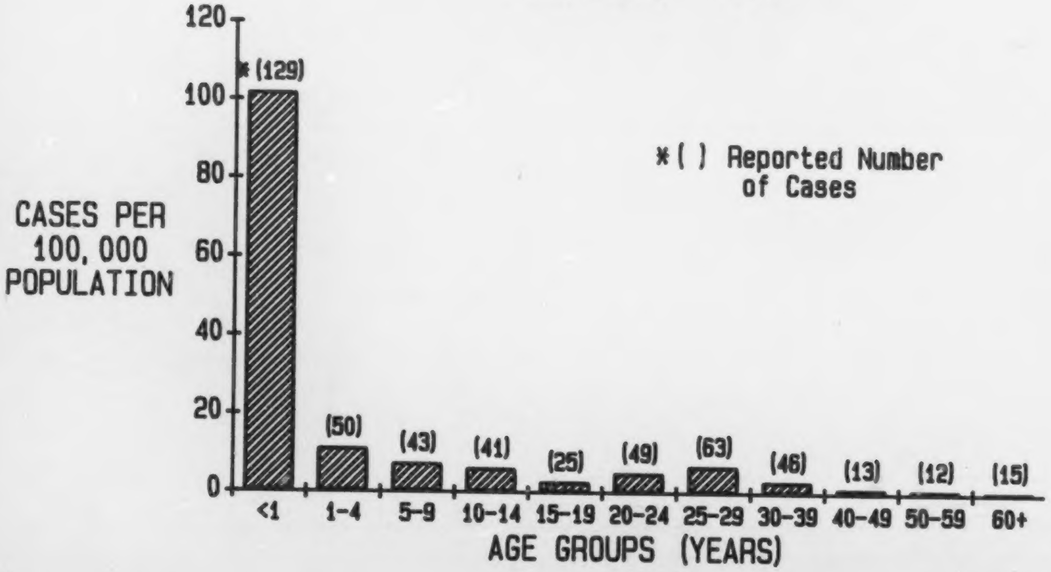
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua				1	2					1		1		5	3.0	8.4
Baker															0.0	14.3
Bay					1									1	0.9	1.9
Bradford											1			1	4.3	1.6
Brevard	4		1	1		1	2	1	3	3		4	1	21	6.4	9.1
Broward	2	2	2	4	5	6	6	10	10	8	5	8	2	70	6.3	4.0
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus															0.0	3.1
Clay	1	1	1									1		4	5.0	5.9
Collier			1		1									2	1.8	1.7
Columbia															0.0	1.8
Dade	8	1	10	2	13	4	3	8	1	1	1	1	4	57	3.3	4.2
DeSoto								1	2					3	14.1	1.7
Dixie															0.0	0.0
Duval	1	1	2	2	1	2	2	1						12	2.0	20.7
Escambia					1	1								2	0.8	1.1
Flagler															0.0	2.5
Franklin															0.0	0.0
Gadsden									1					1	2.3	0.8
Gilchrist															0.0	5.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee			1											1	4.8	3.3
Hendry															0.0	0.0
Hernando															0.0	1.2
Highlands							1							1	1.8	0.0
Hillsborough	5	3	6	5	10	10	5	8	3	2	10	2		69	9.5	12.9
Holmes															0.0	0.0
Indian River		1				1							1	3	4.0	12.4
Jackson															0.0	0.0
Jefferson				1										1	8.7	0.0
Lafayette															0.0	0.0
Lake		1						1						2	1.7	4.4
Lee	1	1				2	1	1		2	1		5	14	5.5	8.9
Leon			1	1	1		1	1	1			3		9	5.5	2.8
Levy							1							1	4.5	3.1
Liberty															0.0	0.0
Madison								2						2	12.9	0.0
Manatee					1			2	1	5	2	1		12	7.2	1.9
Marion									1	1				2	1.3	3.9
Martin					2						3			5	6.4	9.3
Monroe					1									1	1.4	0.5
Nassau				1										1	2.6	3.8
Okaloosa															0.0	2.3
Okeechobee			1											1	4.1	3.0
Orange	5		4	1	1	4	3		4	2	4	2		30	5.6	10.1
Osceola															0.0	1.1
Palm Beach	7	2	3	2	3	1	5	1		1	2	2		29	4.2	10.9
Pasco							1	2				1		4	1.8	2.5
Pinellas	1	2			1	4	3	6	1	1		1	1	21	2.7	3.8
Polk	1	2	2	5	13	11	4	6	1		4	2	2	53	14.8	15.1
Putnam										1				1	1.8	1.3
St. Johns		1	2		1	1	1	1						7	10.8	9.3
St. Lucie			1									1		2	1.8	5.5
Santa Rosa															0.0	9.1
Sarasota				1			1				1		1	4	1.7	1.2
Seminole		1		2	1	1		2			1	1	1	10	4.6	9.2
Sumter															0.0	0.0
Suwanee															0.0	0.0
Taylor															0.0	0.0
Union	1													1	9.5	0.0
Volusia	1	1		1	2	2	4		2	5	1	1		20	6.7	7.9
Wakulla															0.0	6.0
Walton						1								1	4.1	4.5
Washington															0.0	0.0
STATE TOTAL	38	20	38	30	61	52	44	54	31	33	36	32	18	487	4.4	6.8

*1981-1983 Average rate

MENINGITIS, ASEPTIC - REPORTED
CASES BY MONTH OF ONSET,
FLORIDA, 1984



MENINGITIS, ASEPTIC - REPORTED
CASE RATES BY AGE GROUP,
FLORIDA, 1984



MENINGITIS, HAEMOPHILUS INFLUENZAE

In 1984, there were 408 cases of Haemophilus influenzae meningitis reported in Florida, a 22.5% increase from 1983, when 333 cases were reported. The overall case rate per 100,000 population for the state changed from 3.1 per 100,000 in 1983 to 3.7 per 100,000 in 1984.

H. flu meningitis cases were reported from 45 (67.2%) of Florida's 67 counties. There was no definable geographic clustering of cases within Florida. Further, the number of cases by month of onset showed lower incidence during the warmer months.

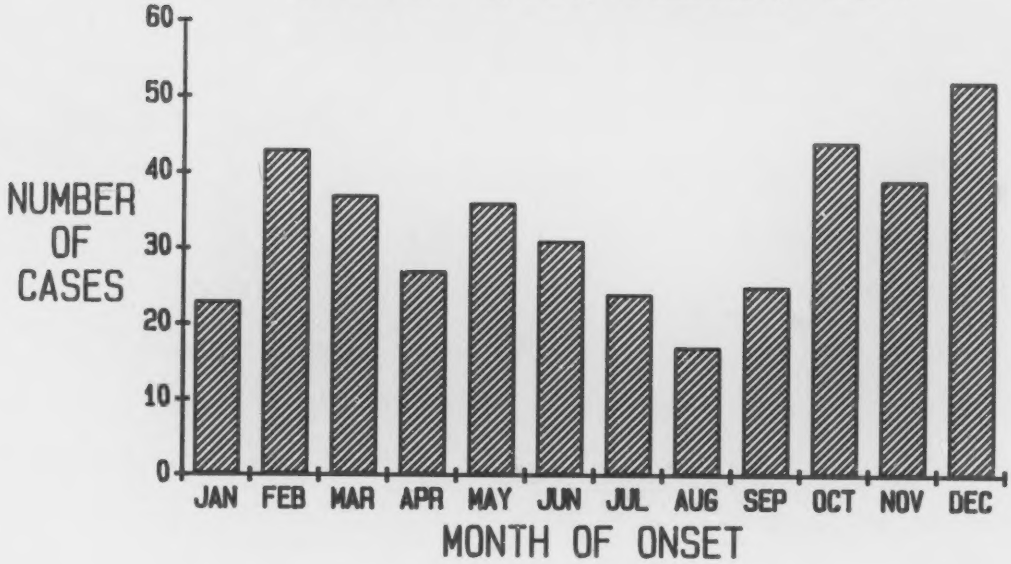
The peak age-specific incidence of reported cases occurred in the 1-4 year olds (65.9 per 100,000), followed by the less than 1 year olds (60.0 per 100,000). These two age groups accounted for 90.7% of the total cases reported. The incidence rate in age groups 5-9 and above remained fairly constant.

MENINGITIS, HAEMOPHILUS INFLUENZAE - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

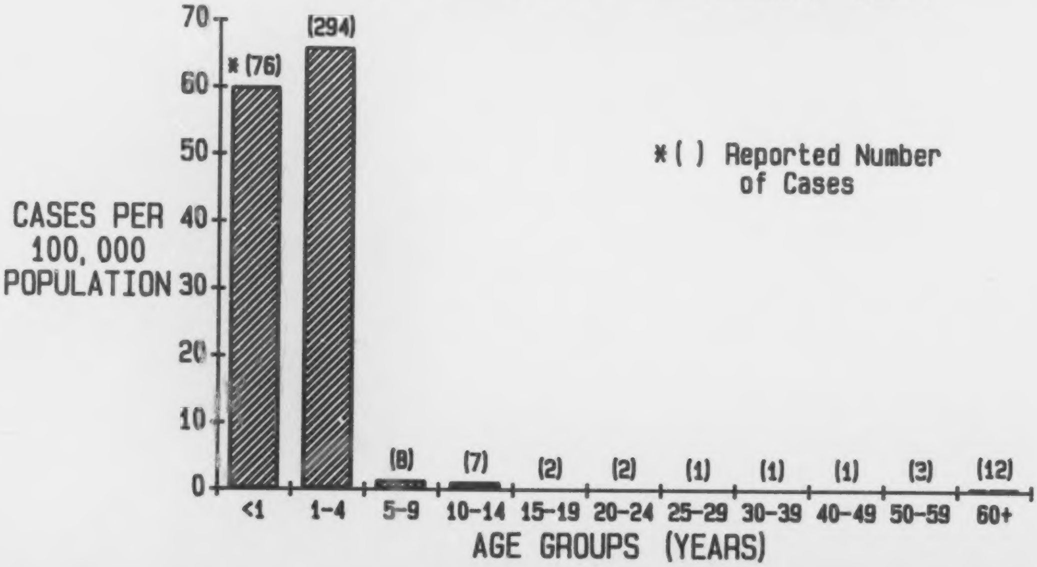
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua			1	1						2	1			5	3.0	5.1
Baker									1					1	5.8	2.0
Bay		2	1								1			4	3.5	3.2
Bradford															0.0	0.0
Brevard				1	2					1	1	1		6	1.8	3.6
Broward	3	4	2	3	2	2	1	1	1	4	3	1		27	2.4	2.9
Calhoun															0.0	0.0
Charlotte											1		1	2	2.7	2.0
Citrus															0.0	1.6
Clay		1												1	1.2	0.9
Collier								1			1			2	1.8	4.1
Columbia															0.0	2.7
Dade	2	6	5	6	7	3	8		2	7	5	9	3	63	3.6	1.5
DeSoto		1									2	1		4	18.8	3.3
Dixie															0.0	3.9
Duval	4	1	4			5	1	3	5	4	3	4		34	5.6	5.0
Escambia		2	2		2				2	1	1	1		11	4.3	2.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden											2	2		4	9.1	5.5
Gilchrist							1							1	14.0	0.0
Glades															0.0	10.6
Gulf															0.0	0.0
Hamilton	2													2	21.8	0.0
Hardee															0.0	1.7
Hendry															0.0	1.6
Hernando													1	1	1.6	3.1
Highlands									1	1		1		3	5.3	0.0
Hillsborough	2	1	5	1	6	2	2		2	2	3	1	1	28	3.8	3.3
Holmes															0.0	0.0
Indian River										2			1	3	4.0	1.5
Jackson															0.0	1.7
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake				1	1	1			1	2		1		7	5.8	3.0
Lee	1	1								1		1	2	6	2.4	2.6
Leon			1	2	1					1	2	1		8	4.9	4.9
Levy															0.0	6.3
Liberty															0.0	0.0
Madison											1			1	6.5	0.0
Manatee										1		1		2	1.2	1.9
Marion		1	1	1	2			1	1	4	1	1		13	8.6	3.2
Martin					1		1	1						3	3.8	2.3
Monroe					1									1	1.4	1.0
Nassau			1	1										2	5.3	6.7
Okaloosa			1	1						1	1	1		5	3.8	4.0
Okeechobee		1	1	1		1	1		1		1	2	1	10	41.4	21.0
Orange	3	4	1	2	2	5	1			2	1	3		24	4.5	5.6
Osceola			1	1										2	2.8	2.2
Palm Beach	1	7	4		4	5	3		1	3	1	5		34	4.9	3.7
Pasco												1		1	0.4	3.1
Pinellas		3	2	3	3	4	3	5	2		1	1		27	3.4	2.6
Polk	1	1		2		1	2	4	2	2	1	4		20	5.6	3.6
Putnam		1								1	2	2		6	10.8	1.9
St. Johns		3	1			1					1			6	9.2	3.5
St. Lucie	2	1	1								2	2		8	7.1	3.9
Santa Rosa												1		1	1.6	5.1
Sarasota								1				1		2	0.9	2.4
Seminole										1		3		4	1.3	2.4
Sumter	1													1	3.7	1.3
Suwanee															0.0	0.0
Taylor															0.0	1.9
Union															0.0	0.0
Volusia	1	2	2		2	1			2	1				11	3.7	3.6
Wakulla									1					1	7.8	3.0
Walton															0.0	0.0
Washington															0.0	4.4
STATE TOTAL	23	43	37	27	36	31	24	17	25	44	39	52	10	408	3.7	3.0

*1981-1983 Average rate

MENINGITIS, HAEMOPHILUS INFLUENZAE - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



MENINGITIS, HAEMOPHILUS INFLUENZAE - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



MENINGITIS, MENINGOCOCCAL

In 1984, 150 cases of meningococcal meningitis were reported. This was an incidence rate of 1.4 cases per 100,000 population which was a slight increase above the 1.2 cases per 100,000 reported in 1983. The peak age-specific incidence of reported cases occurred in the less than 1 year old and 1-4 age groups (18.9 and 11.7 per 100,000 population, respectively). These two age groups represented 50.7% of the total cases reported. The incidence rate in age groups 5-9 and above remained fairly constant.

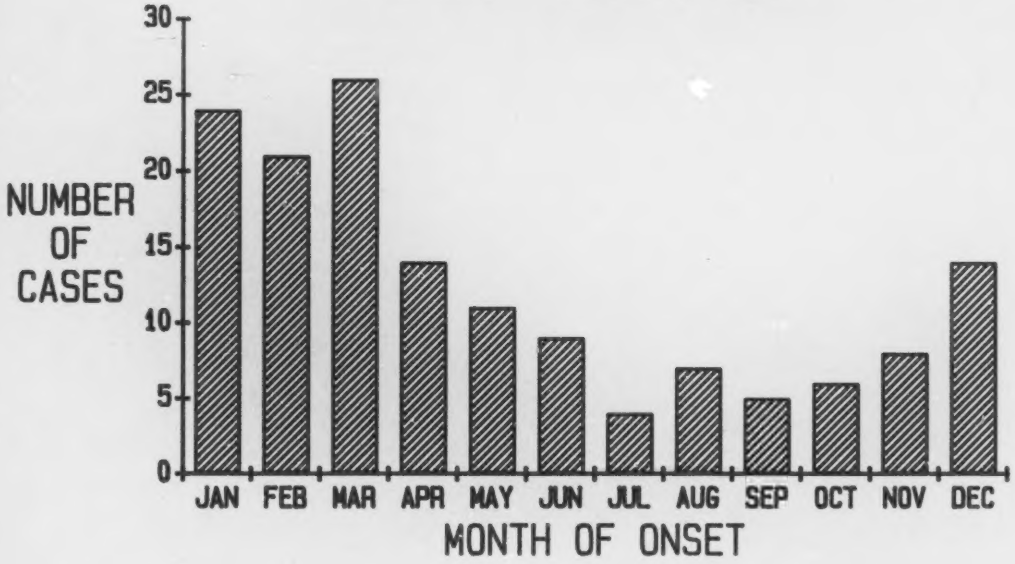
Meningococcal meningitis cases were reported from 34 (50.8%) of Florida's 67 counties. There was no definable geographic clustering of cases within Florida; however, Dade County with an incidence rate of 1.8 per 100,000 persons had the greatest number of cases, 31 (20.7%) of the state total). The majority of cases occurred January through March.

MENINGITIS, MENINGOCOCCAL - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

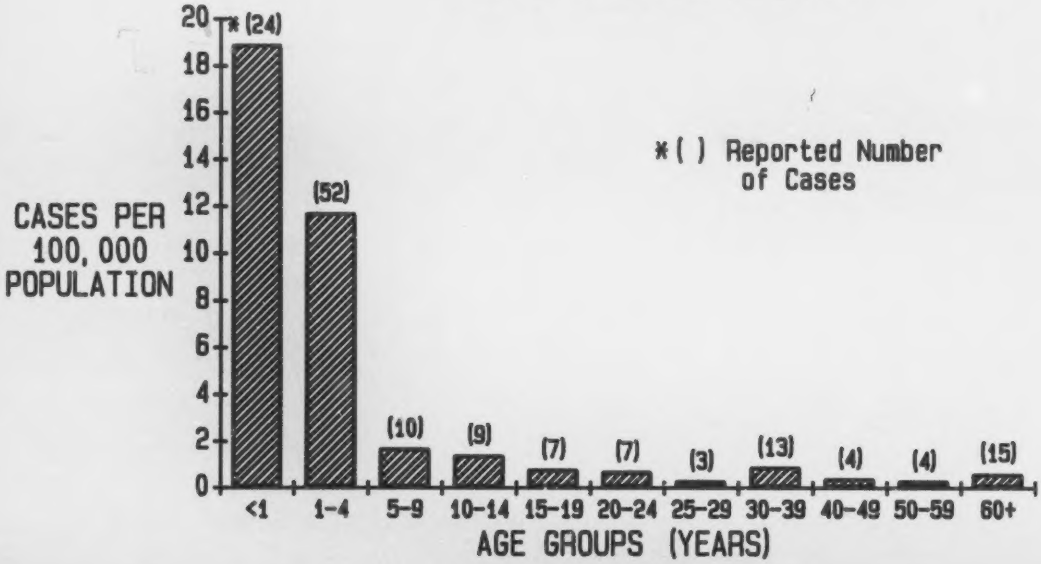
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua			1						1					2	1.2	1.0
Baker															0.0	2.0
Bay															0.0	1.0
Bradford															0.0	1.6
Brevard					1	1						1		3	0.9	0.9
Broward	4	1	2	4								1		12	1.1	0.8
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus															0.0	1.6
Clay	1													1	1.2	1.4
Collier															0.0	1.7
Columbia															0.0	0.9
Dade	4	4		3	3	3	2	2	1	2	5	2		31	1.8	2.1
DeSoto			1		2									3	14.1	1.7
Dixie	1	1												2	21.7	0.0
Duval						1			1					2	0.3	1.4
Escambia		1	1		1									3	1.2	1.1
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	3.9
Gilchrist															0.0	5.0
Glades															0.0	0.0
Gulf															0.0	6.2
Hamilton															0.0	3.8
Hardee															0.0	0.0
Hendry															0.0	0.0
Hernando															0.0	2.5
Highlands															0.0	4.5
Hillsborough	1	2	2							1				6	0.8	2.1
Holmes			1											1	6.5	2.2
Indian River					1						1			2	2.7	1.5
Jackson															0.0	1.7
Jefferson															0.0	0.0
Lafayette			1											1	22.8	0.0
Lake															0.0	1.2
Lee		1	2											3	1.2	1.9
Leon	1		1		1			1		1				5	3.0	0.9
Levy								1						1	4.5	0.0
Liberty															0.0	7.7
Madison															0.0	2.2
Manatee			1	2						1		1		5	3.0	5.0
Marion															0.0	1.2
Martin	1													1	1.3	0.9
Monroe															0.0	0.0
Nassau				1										1	2.6	5.7
Okaloosa			2											2	1.5	1.1
Okeechobee			1											1	4.1	6.0
Orange	1	1	1			1		2	1		1	2		10	1.9	2.7
Osceola		2												2	2.8	2.7
Palm Beach	1	1	2			2	1					1		8	1.2	1.6
Pasco	1											1		2	0.9	0.5
Pinellas	1	2	1	2	1					1	1	3		12	1.5	1.4
Polk		1		1		1		1						4	1.1	2.0
Putnam	2				1									3	5.4	4.4
St. Johns	1	1												2	3.1	3.5
St. Lucie															0.0	1.0
Santa Rosa															0.0	0.0
Sarasota		1					1		1				1	4	1.7	1.5
Seminole			1	1								1		3	1.4	1.2
Sumter															0.0	13.0
Suwanee															0.0	0.0
Taylor															0.0	0.0
Union															0.0	0.0
Volusia	3	2	4									1		10	3.4	1.8
Wakulla	1													1	7.8	0.0
Walton		1												1	4.1	0.0
Washington															0.0	0.0
STATE TOTAL	24	21	26	14	11	9	4	7	5	6	8	14	1	150	1.4	1.7

*1981-1983 Average rate

MENINGITIS, MENINGOCOCCAL -
REPORTED CASES BY MONTH OF
ONSET, FLORIDA, 1984



MENINGITIS, MENINGOCOCCAL -
REPORTED CASE RATES BY AGE
GROUP, FLORIDA, 1984



MENINGITIS, OTHER BACTERIAL

In 1984, 360 cases of meningitis, other bacterial (i.e., Group B Streptococcus (55 cases), Listeria monocytogenes (22 cases), Streptococcus pneumonia (25 cases), and Other bacterial including Unspecified (258 cases) were reported. This was an incidence rate of 3.3 cases per 100,000 population, which represented little change from the case rate reported in 1983 (3.1). The peak age-specific incidence of reported cases occurred in the less than 1 year olds (83.6 per 100,000) followed by the 1-4 year olds (17.9 per 100,000). These two age groups represented 51.7% of the total cases reported. This is consistent with the fact that nearly 70% of all reported cases of bacterial meningitis in the U.S. occur in children less than 5 years of age. The incidence rate in age groups 5 years of age and above remained low and fairly constant.

Bacterial meningitis (excluding Haemophilus influenzae and Neisseria meningitidis cases were reported from 43 (64.2%) of Florida's 67 counties. There was no definable geographic clustering of cases within Florida. Most of the cases were accounted for by the major population centers in the state.

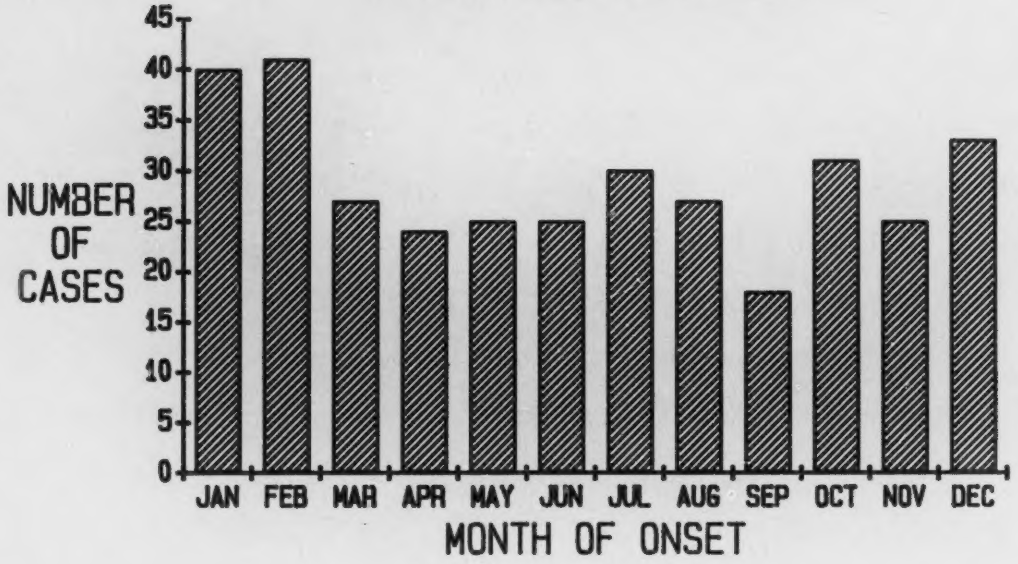
The number of reported cases by month of onset was constant throughout the year, averaging around 29 per month, peaking slightly in January (40) and February (41).

MENINGITIS, OTHER BACTERIAL - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

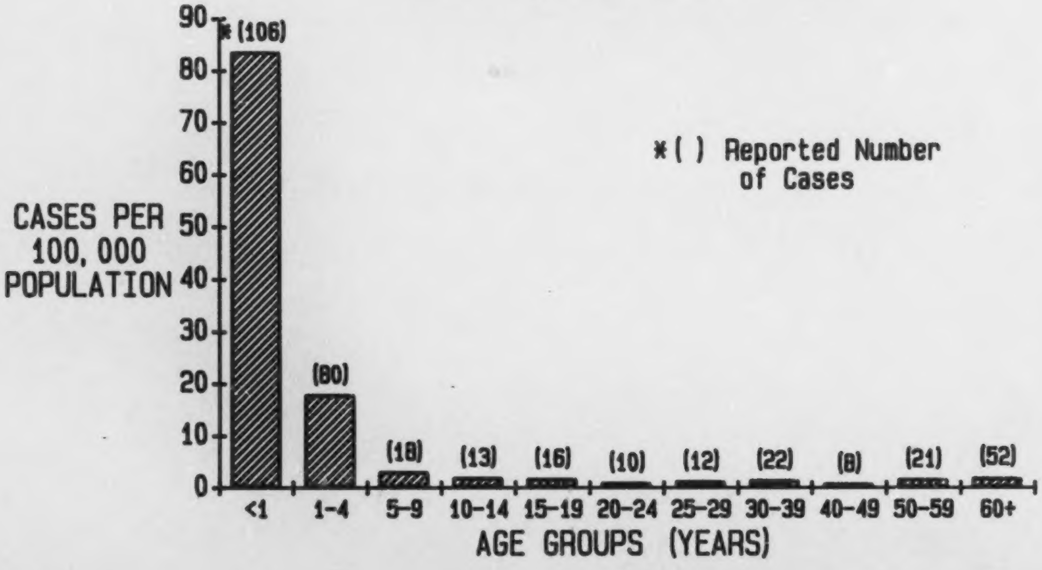
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua										1	2	1		4	2.4	0.6
Baker															0.0	6.1
Bay		1		3		1					2	2		9	7.9	2.6
Bradford															0.0	1.6
Brevard	3		1			2	1	1			1		1	10	3.1	3.3
Broward	3	2	3	2			1	4	2	1	1		1	20	1.8	2.1
Calhoun															0.0	3.6
Charlotte		1									1			2	2.7	1.0
Citrus		1			1							1		3	4.3	5.7
Clay										1		1		2	2.5	1.4
Collier							1	1		1				3	2.7	3.1
Columbia															0.0	3.6
Dade	2	4	3	1	3	1		1	1	1	3	1	2	23	1.3	1.4
DeSoto	1					1	1							3	14.1	3.3
Dixie															0.0	7.8
Duval	2	2	2	2		3	1	2	3	1		4	1	23	3.8	3.8
Escambia							1				1		1	3	1.2	1.1
Flagler															0.0	5.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades							1							1	15.1	0.0
Gulf															0.0	0.0
Hamilton									1	1				2	21.8	0.0
Hardee															0.0	3.9
Hendry															0.0	1.6
Hernando															0.0	3.7
Highlands				1										1	1.8	1.9
Hillsborough	4	2	5	4	4	5	7	3		5	3	5		47	6.5	5.9
Holmes															0.0	0.0
Indian River					2		1					2		5	6.7	11.9
Jackson							1		1					2	5.0	0.8
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake	1					1						1		3	2.5	1.2
Lee		1	1					2				1	2	7	2.7	4.4
Leon	1						1	1	1	1				5	3.0	4.3
Levy			1											1	4.5	3.1
Liberty															0.0	0.0
Madison															0.0	2.2
Manatee															0.0	0.0
Marion				1			1	2				2		6	4.0	5.8
Martin									1	1				2	2.5	2.8
Monroe											1			1	1.4	2.0
Nassau				1						1				2	5.3	1.9
Okaloosa			1			1	1					1		4	3.1	0.3
Okeechobee															0.0	4.5
Orange	3	1	2	1	1	1	2		1	3	1	2		18	3.4	3.6
Osceola	1	2	1									1		5	7.0	6.0
Palm Beach	2	5	3	1	2	1		2		2	1	2		21	3.0	3.7
Pasco				1							2			3	1.3	2.3
Pinellas	7	5	1		3			1	1	1		1		20	2.5	2.1
Polk	5	8	1	1	4	1	3	6	1	4	3	3		40	11.2	7.4
Putnam	1													1	1.8	1.3
St. Johns						1					1			2	3.1	3.5
St. Lucie					1					1		1		3	2.7	2.3
Santa Rosa							1			2	1			4	6.4	2.8
Sarasota		2		2		3		1		1			6	15	6.4	6.1
Seminole		1	1		2	1		1	1		1	1		9	4.1	1.9
Sumter	1													1	3.7	1.3
Suwanee															0.0	1.4
Taylor	1						1							2	11.3	0.0
Union							1							1	9.5	0.0
Volusia	2	3	1	3	2	2	2		3	3				21	7.0	3.6
Wakulla															0.0	0.0
Walton															0.0	1.5
Washington															0.0	2.2
STATE TOTAL	40	41	27	24	25	25	30	27	18	31	25	33	14	360	3.3	3.0

*1981-1983 Average rate

MENINGITIS, OTHER BACTERIAL - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



MENINGITIS, OTHER BACTERIAL - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



HEPATITIS A

In 1984, 779 cases of hepatitis A were reported to the state, which represents an 18.9% decrease from the total number of cases reported in 1983 (961) and the fourth consecutive year of decline. The case rate in 1984 (7.1 per 100,000) declined 21.1% from the rate in 1983 (9.0 per 100,000).

The month with the peak number of cases was May (82), while September had the fewest (40). The general trend was an increase in cases from January to May, with subsequent decrease from May to December.

The distribution of cases among age groups was similar to previous years. Young adults aged 20-29 years had the highest reported rate of illness (13.4 per 100,000); however, this was a 25.6% decrease from 1983 (18.0 per 100,000). Low rates were reported for children less than 5 years of age who, when infected, frequently have subclinical infection or non-specific mild illness and are probably underdiagnosed.

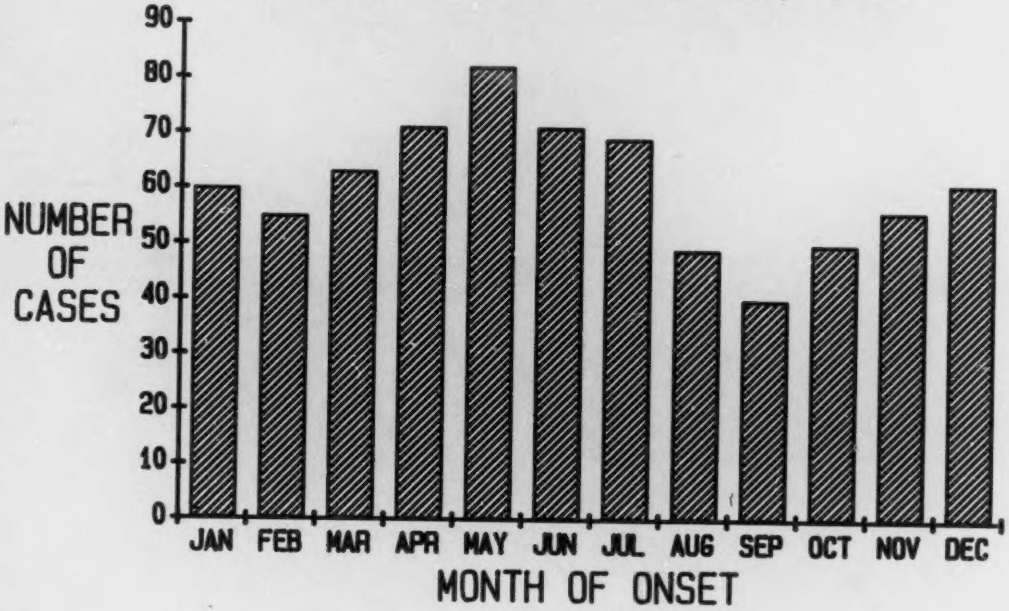
Hepatitis A infection was reported from all but 16 of Florida's 67 counties. The highest rates of infection were observed in Okeechobee (99.4 per 100,000), Osceola (57.4 per 100,000), Hendry (45.7 per 100,000), and Putnam (36.0 per 100,000) counties.

HEPATITIS A - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

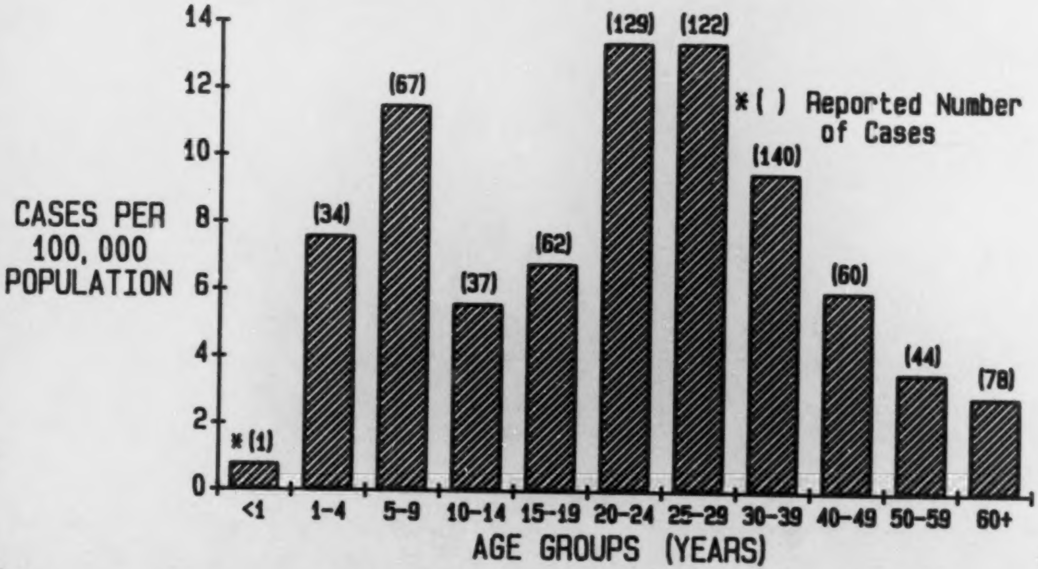
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua			1		1	1		1				2	1	7	4.1	5.9
Baker															0.0	6.1
Bay	1													1	0.9	1.0
Bradford				3										3	12.9	6.3
Brevard	1	2	2	5	2	2		1		1	1		2	19	5.8	8.3
Broward	3	2	4	3	2	3	6	7	3	3	2	6	4	48	4.3	13.8
Calhoun		1												1	10.7	3.6
Charlotte		1						1						2	2.7	4.5
Citrus					1	2		1						4	5.7	13.0
Clay										1				1	1.2	3.7
Collier	4	2	6	2	2	3					3			22	19.8	33.1
Columbia															0.0	0.9
Dade	10	7	3	3	3	9	21	2	7	9	3	3	10	90	5.1	4.6
DeSoto			1		2	1		1						5	23.5	18.3
Dixie															0.0	0.0
Duval	3		3	5	1			1	3		1	2	1	20	3.3	5.9
Escambia					1					1			3	5	1.9	3.1
Flagler															0.0	7.5
Franklin															0.0	12.8
Gadsden															0.0	5.5
Gilchrist									1			3		4	56.2	39.7
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	7.6
Hardee													1	1	4.8	11.6
Hendry	1	4	1	1			1			2				10	45.7	16.4
Hernando								2			1		1	4	6.3	27.8
Highlands					1	1					2	2		6	10.6	18.5
Hillsborough	7	8	9	4	7	1	3	6	5	7	9	8		74	10.2	22.8
Holmes															0.0	11.0
Indian River				1	1									2	2.7	2.0
Jackson	1													1	2.5	12.5
Jefferson															0.0	3.1
Lafayette															0.0	8.2
Lake	2		2	1		1			1			1		8	6.6	21.3
Lee	1	1	2		1	4	7		3	4	2	2	6	33	12.9	12.3
Leon		2	3								2	1		8	4.9	13.4
Levy													1	1	4.5	3.1
Liberty															0.0	0.0
Madison								1						1	6.5	0.0
Manatee	2	1	2	3		1	2	5	2	1	1	2		22	13.2	17.3
Marion		1								1		1	1	4	2.7	6.5
Martin	2			1	1	1								5	6.4	32.1
Monroe			2				2	2				1		7	10.1	42.2
Nassau									1					1	2.6	1.9
Okaloosa			1						1		1		1	4	3.1	3.1
Okeechobee					2	4	4		4	5	4	1		24	99.4	22.5
Orange		2	1	4	11	7	6	5	3	4	8	4	1	56	10.5	13.3
Osceola	3		3	14	10	5	4	1		1				41	57.4	15.7
Palm Beach	7	4	8	9	12	5	2	3	2	4	4	9		69	10.0	15.3
Pasco		1	1	1	2	1	1	1		3	1			12	5.3	13.6
Pinellas	3	5	1	2	5	7	8	2	1	1	4	5		44	5.6	5.4
Polk		1	1	1	7	6	1	1	2		4	2	1	27	7.5	17.6
Putnam	5	7	3	2						1			2	20	36.0	7.6
St. Johns						1				1				2	3.1	11.1
St. Lucie				2	1							1	1	5	4.4	11.7
Santa Rosa					1						1			2	3.2	1.1
Sarasota	1	2	1	1	1	2	1		1				13	23	9.9	10.8
Seminole	2	1		2	3	1		1				1		11	5.1	17.0
Sumter					1									1	3.7	15.6
Suwanee			1											1	4.0	6.9
Taylor															0.0	9.7
Union	1													1	9.5	54.0
Volusia			1	1		2		4			2	4	2	16	5.4	23.5
Wakulla															0.0	3.0
Walton															0.0	1.5
Washington															0.0	2.2
STATE TOTAL	60	55	63	71	82	71	69	49	40	50	56	61	52	779	7.1	11.4

*1981-1983 Average rate

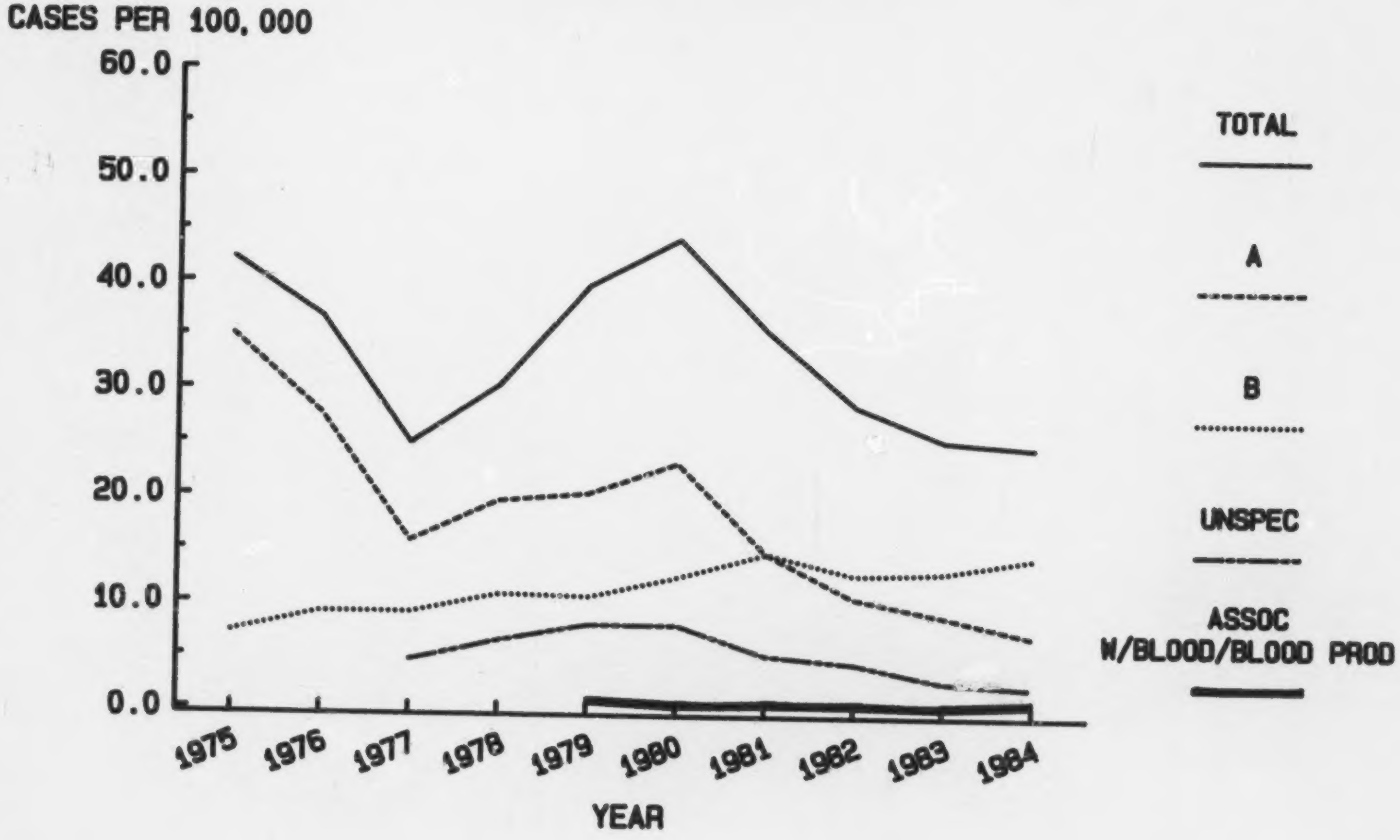
HEPATITIS A - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



HEPATITIS A - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



HEPATITIS-REPORTED CASE RATES BY YEAR
FLORIDA 1975-1984



HEPATITIS B

In 1984, 1,593 cases of hepatitis B were reported to the state, which represents a 14% increase from the total number of cases reported in 1983 (1,398). The case rate in 1984 (14.5 per 100,000) increased 10.7% from the rate in 1983 (13.1 per 100,000). The number of cases remained fairly uniform throughout the year.

The age groups with the highest case rates were the 25-29 year olds and the 20-24 year olds (37.3 and 33.5 per 100,000 respectively).

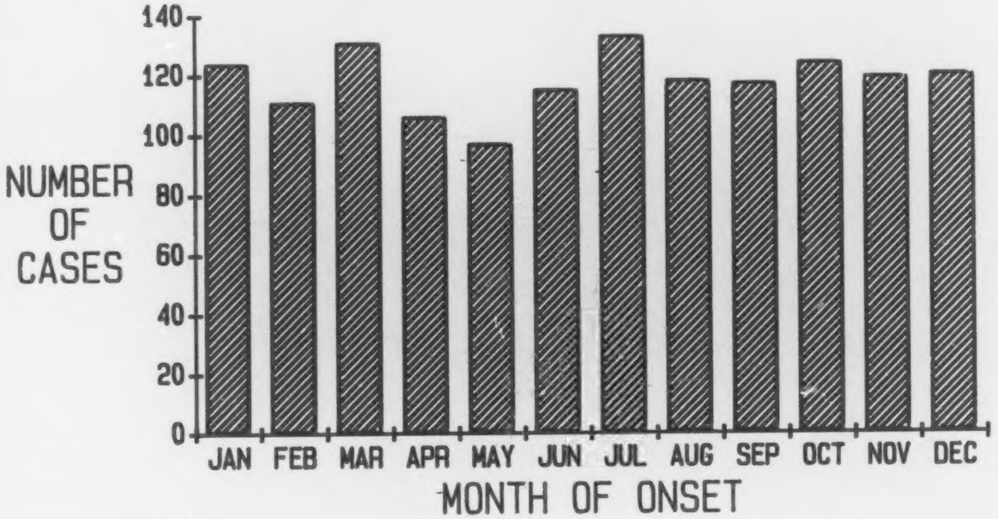
Hepatitis B infections were reported from all but 13 of Florida's 67 counties. The highest rate was observed in Union county (57.1 per 100,000).

HEPATITIS B - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

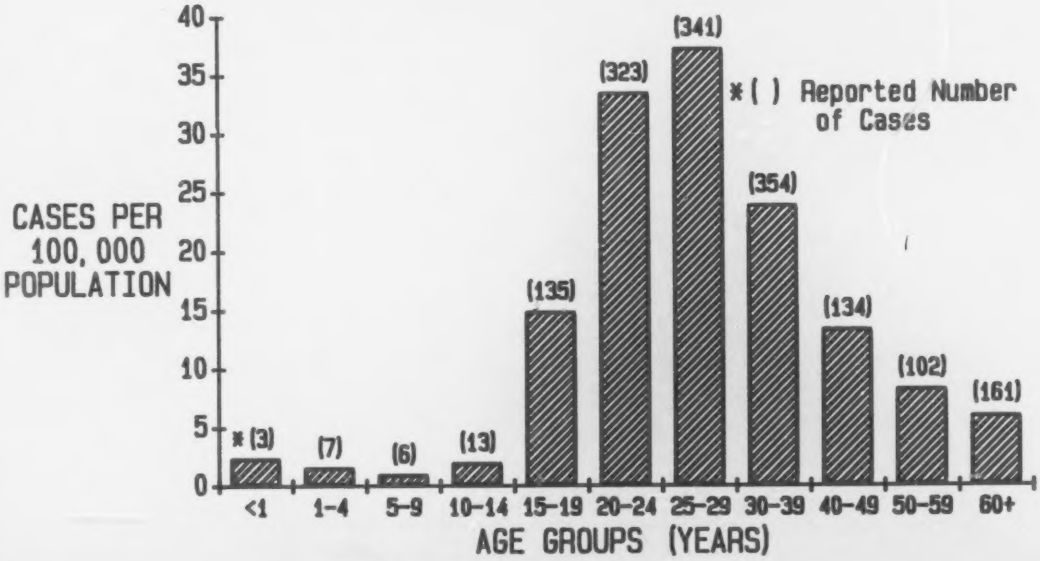
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua			1	1	2	2				1	2	1		10	5.9	7.3
Baker															0.0	2.0
Bay		1			1	1					2			5	4.4	3.8
Bradford	1													1	4.3	7.8
Brevard	1	2	2	2		2	2	4	3	6	3	1	8	36	11.0	9.8
Broward	20	21	12	10	21	18	18	13	16	14	16	9	7	195	17.6	18.7
Calhoun											1			1	10.7	3.5
Charlotte			1			1		1					1	4	5.3	4.0
Citrus	1	1	1	1		2					1		1	8	11.5	5.2
Clay		2		2			3	1						8	9.9	7.8
Collier	2	1	3	4	3	2	1	3		1	2	4		26	23.5	16.0
Columbia		2												2	5.2	1.8
Dade	10	11	10	6	8	7	4	14	10	12	9	5	31	137	7.8	10.2
DeSoto			1		1		1	1						4	18.8	3.3
Dixie															0.0	0.0
Duval	3	6	3	10	8	18	14	6	3	12	8	6	16	113	18.6	11.5
Escambia			1	5		1	4	1		1	2	2	9	26	10.1	8.8
Flagler															0.0	7.5
Franklin															0.0	4.3
Gadsden		1								1	1	1	2	6	13.6	7.0
Gilchrist															0.0	0.0
Glades															0.0	5.3
Gulf															0.0	6.2
Hamilton							1							1	10.9	11.4
Hardee						1				1		2	3	7	33.5	5.0
Hendry								1			1			2	9.1	6.6
Hernando												1	3	4	6.3	9.3
Highlands															0.0	0.0
Hillsborough	5	2	7	7	5	7	10	8	10	9	3	19	1	93	12.8	12.8
Holmes															0.0	2.2
Indian River		2		2		3	2		1	1	1		1	13	17.3	6.5
Jackson	1									1	1		1	4	10.0	3.3
Jefferson															0.0	0.0
Lafayette															0.0	8.2
Lake	1		3						2			1	2	9	7.4	3.6
Lee	7	5	3	2	2	3	5	4	2	3	13	8	4	61	23.9	23.0
Leon	4	1	2		1	1	1		1	1	1	1	2	16	9.7	10.7
Levy									1					1	4.5	1.6
Liberty												1		1	22.4	7.7
Madison															0.0	10.9
Manatee	2	2	7	2	2	2	6	2	4	3	3	1	9	45	27.0	15.0
Marion	1	1	3	1	2			2		1			2	13	8.6	9.7
Martin	1			1			2	1	1	1	1		5	13	16.6	15.3
Monroe		2		2	1	1	3	5		1	3	2	2	22	31.8	38.1
Nassau	1		1	2								1		5	13.1	1.0
Okaloosa		3			1		1		5	3	1			14	10.7	13.8
Okeechobee				1				1					2	4	16.6	15.0
Orange	14	13	16	11	12	13	17	13	15	12	10	10	5	161	30.1	26.6
Osceola			2	3	2	1	2		1	2	2			15	21.0	18.4
Palm Beach	17	13	19	7	4	10	9	8	7	12	6	17		129	18.7	15.4
Pasco	4	3			2	2	4	4	3		2	1		25	11.0	10.4
Pinellas	3	4	13	9	4	7	6	11	11	8	7	12	1	96	12.2	12.5
Polk	4	2	7	3	5	3	1	5	4	3	4	3	6	50	14.0	16.0
Putnam		1		1					2	1	1			6	10.8	1.3
St. Johns	5		1	1	1	1			2	5	2	2		20	30.7	9.9
St. Lucie	1	1	1	1	1		1	1	1		2			10	8.9	11.1
Santa Rosa				1		1				1		1		4	6.4	18.7
Sarasota	3	1	1		2		2		1			1	28	39	16.7	14.2
Seminole	1	2	3	2	1	3	5	2	6	1	4	2	9	41	18.9	15.0
Sumter				1	1			1		2		1		6	22.5	7.8
Suwanee	1													1	4.0	6.9
Taylor	1		1		1									3	17.0	21.2
Union	4		1		1									6	57.1	57.2
Volusia	5	5	4	4	2	2	8	5	4	3	4	4	16	66	22.1	28.7
Wakulla			1										1	2	15.6	21.0
Walton				1					1	1				3	12.3	3.0
Washington															0.0	6.7
STATE TOTAL	124	111	131	106	97	115	133	118	117	124	119	120	178	1593	14.5	13.6

*1981-1983 Average rate

HEPATITIS B - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



HEPATITIS B - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



HEPATITIS NON-A, NON-B
ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS

In 1984, 98 cases of non-A non-B (NANB) hepatitis associated with blood or blood products were reported to the state, as compared with 56 cases reported in 1983. The case rate in 1984 (0.9 per 100,000) was 80% higher than the rate for 1983 (0.5 per 100,000).

The age groups with the highest case rates were the 25-29 year olds and the 20-24 year olds (1.3 and 1.1 per 100,000, respectively).

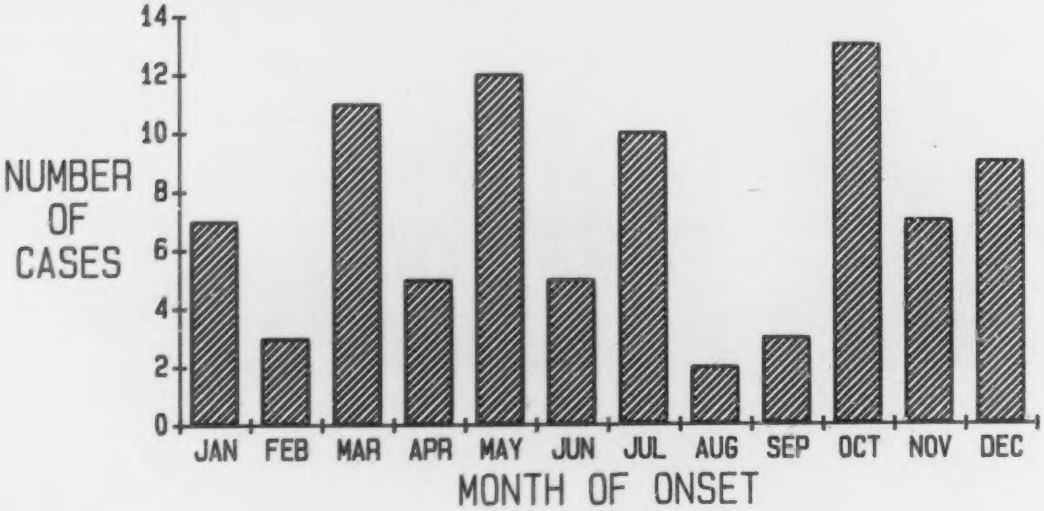
Cases of hepatitis NANB associated with blood or blood products were reported from 24 of Florida's 67 counties. The highest rates were observed in Martin (7.6 per 100,000) and Baker (5.8 per 100,000) counties.

HEPATITIS NANB ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

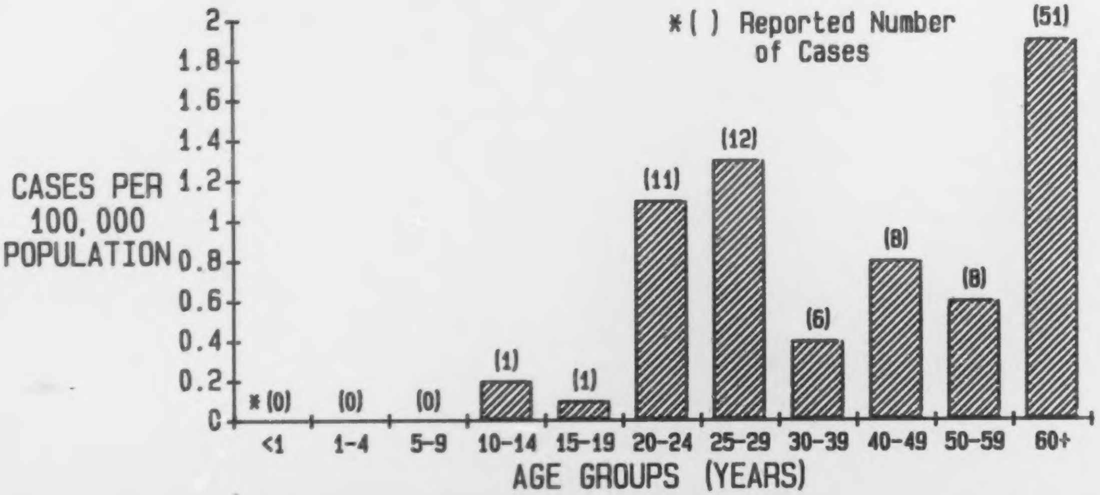
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. MEAN
Alachua															0.0	0.4
Baker										1				1	5.8	0.0
Bay															0.0	0.0
Bradford															0.0	1.6
Brevard			1		1									2	0.6	0.5
Broward	1			3		3	4	1	2	4	4	3	2	27	2.4	0.8
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus										1				1	1.4	0.0
Clay					1									1	1.2	0.5
Collier															0.0	1.7
Columbia															0.0	0.9
Dade			1			1	1						2	5	0.3	0.4
DeSoto															0.0	1.7
Dixie															0.0	0.0
Duval			2	1	2					2		1	2	10	1.6	0.2
Escambia															0.0	0.5
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry	1													1	4.6	0.0
Hernando															0.0	0.0
Highlands															0.0	0.0
Hillsborough			1		2				1					4	0.5	0.4
Holmes															0.0	0.0
Indian River						1								1	1.3	0.0
Jackson															0.0	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake												1		1	0.8	0.6
Lee		1			1								3	5	2.0	1.0
Leon															0.0	0.6
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee															0.0	0.0
Marion															0.0	0.7
Martin	3	1	1				1							6	7.6	3.3
Monroe															0.0	3.6
Nassau															0.0	1.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange										1	1			2	0.4	1.3
Osceola					2									2	2.8	0.0
Palm Beach	1	1	3		2		2	1		1	1	2		14	2.0	1.4
Pasco										1				1	0.4	0.3
Pinellas				1			1			2	1			5	0.6	1.3
Polk							1							1	0.3	0.4
Putnam															0.0	0.0
St. Johns															0.0	0.6
St. Lucie															0.0	0.0
Santa Rosa															0.0	0.0
Sarasota													1	1	0.4	0.2
Seminole			1										1	2	0.9	0.7
Sumter															0.0	0.0
Suwanee			1											1	4.0	0.0
Taylor															0.0	0.0
Union															0.0	0.0
Volusia					1							2		3	1.0	1.0
Wakulla															0.0	0.0
Walton	1													1	4.1	0.0
Washington															0.0	0.0
STATE TOTAL	7	3	11	5	12	5	10	2	3	13	7	9	11	98	0.9	0.7

*1981-1983 Average rate

HEPATITIS NON-A, NON-B (ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS) - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



HEPATITIS NON-A, NON-B (ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS) - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



HEPATITIS NON-A, NON-B
NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS

In 1984, 243 cases of non-A non-B (NANB) hepatitis not associated with blood or blood products were reported to the state, representing a 24% increase from the total number of cases reported in 1983 (196). The case rate in 1984 (2.2 per 100,000) increased by 22.2% from the rate in 1982 (1.8 per 100,000).

The age groups with the highest case rates were the 25-29 year olds and the 20-24 years olds (6.4 and 4.8 per 100,000, respectively).

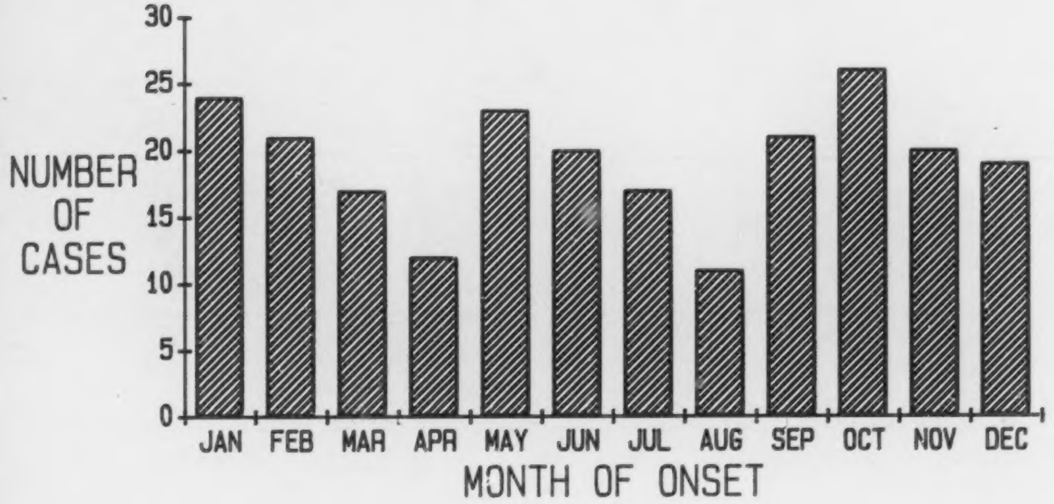
Cases of hepatitis NANB not associated with blood or blood products were observed in 24 of Florida's 67 counties. The highest rates were reported from Wakulla (15.6 per 100,000) and Orange (12.0 per 100,000) counties.

HEPATITIS NANB NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

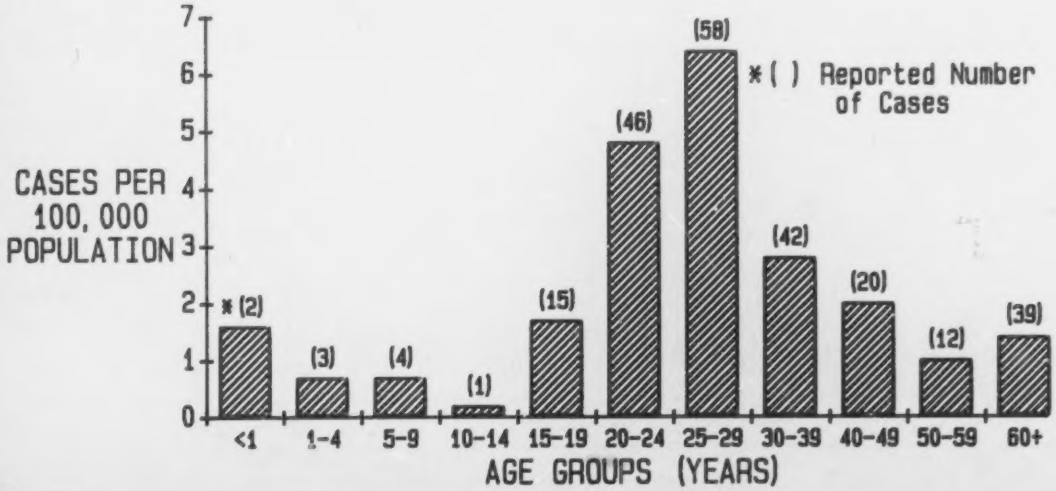
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua	1		1											2	1.2	1.3
Baker															0.0	0.0
Bay															0.0	0.0
Bradford															0.0	0.0
Brevard	2	1		1	1			2			1			8	2.4	1.0
Broward	2	2	1	1	2	2		1	2	2	2	2		19	1.7	1.2
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus															0.0	0.0
Clay															0.0	0.0
Collier			1											1	0.9	2.7
Columbia															0.0	0.0
Dade	1	1			2				1			2	2	9	0.5	0.8
DeSoto															0.0	0.0
Dixie															0.0	0.0
Duval				1	1								1	3	0.5	0.9
Escambia															0.0	0.3
Flagler									1					1	6.6	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry															0.0	0.0
Hernando															0.0	0.0
Highlands															0.0	0.0
Hillsborough	2			1	2	2	1			1	1	1		11	1.5	0.8
Holmes															0.0	0.0
Indian River															0.0	0.0
Jackson															0.0	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake															0.0	0.3
Lee		1							3		1	1		6	2.4	1.6
Leon			1				1	1						3	1.8	4.3
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee															0.0	0.2
Marion			1			1								2	1.3	2.9
Martin		1								1		1		3	3.8	1.9
Monroe				1										1	1.4	5.6
Nassau															0.0	0.0
Okaloosa								1						1	0.8	0.0
Okeechobee															0.0	0.0
Orange	2	10	3	3	4	6	4	4	4	12	5	6	1	64	12.0	6.4
Osceola															0.0	2.7
Palm Beach	6	1	3	1	5	7	5	1	5	6	4	3		47	6.8	4.4
Pasco	2	2			1	1		1		1	1			9	3.9	1.1
Pinellas	3	1	3		2	1	3		1	1	2	2		19	2.4	2.0
Polk							1							1	0.3	0.4
Putnam															0.0	0.0
St. Johns															0.0	1.2
St. Lucie				1							1	1		3	2.7	0.3
Santa Rosa															0.0	1.1
Sarasota	2		1						1	1			8	13	5.6	0.0
Seminole															0.0	1.4
Sumter															0.0	0.0
Suwannee					1									1	4.0	2.8
Taylor															0.0	1.9
Union															0.0	0.0
Volusia	1	1	2	2	1		2		3		2			14	4.7	3.8
Wakulla					1					1				2	15.6	3.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	24	21	17	12	23	20	17	11	21	26	20	19	12	243	2.2	1.5

*1981-1983 Average rate

HEPATITIS NON-A, NON-B (NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS) - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



HEPATITIS NON-A, NON-B (NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS) - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



HEPATITIS UNSPECIFIED

In 1984, 248 cases of hepatitis unspecified were reported to the state, which represents a 15.9% decrease from the total number of cases reported in 1983 (295). The case rate in 1984 (2.3 per 100,000) decreased by 17.9% from the rate in 1983 (2.8 per 100,000).

The highest age-specific cases rates occurred among the 20-24 year olds and the 25-29 year olds (5.7 and 5.6 per 100,000, respectively). No trend was noticed by month of onset.

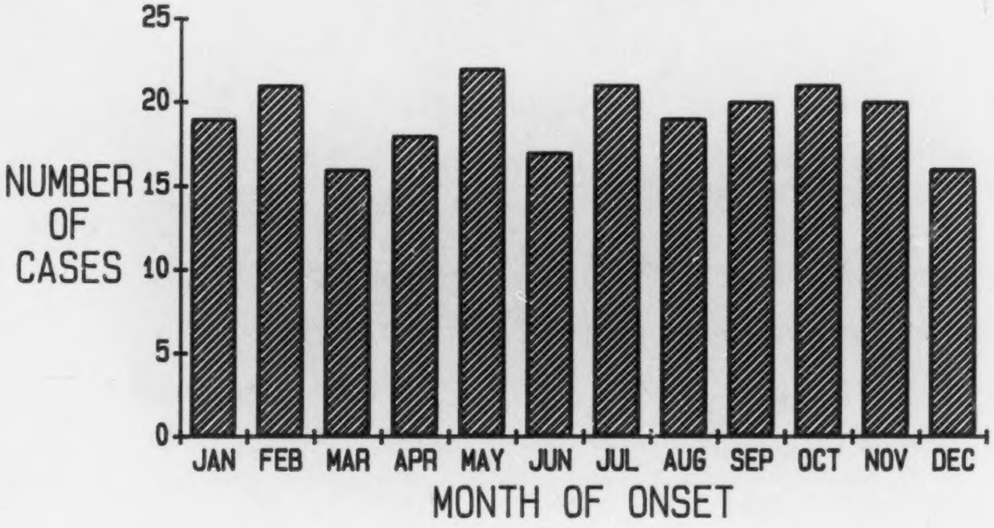
Cases of hepatitis unspecified were reported from 31 of Florida's 67 counties. The highest rates were observed in Indian River (12.0 per 100,000), Hardee (9.6 per 100,000), and Polk (9.2 per 100,000) counties.

HEPATITIS UNSPECIFIED - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

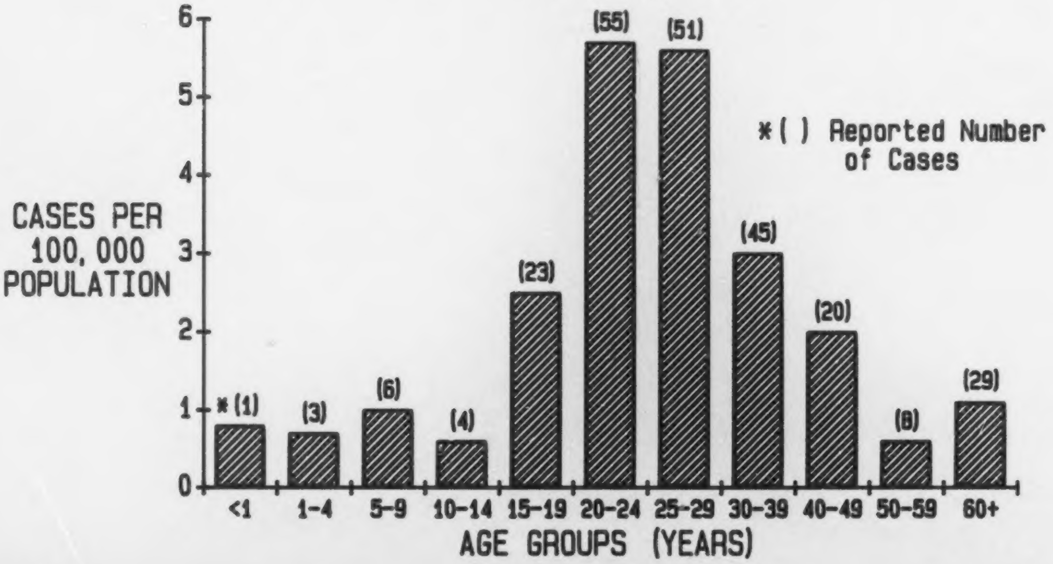
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua															0.0	0.8
Baker															0.0	0.0
Bay								1						1	0.9	2.9
Bradford															0.0	1.6
Brevard					1			1						2	0.6	1.6
Broward	3	1	2	5	1	4	6	5	8		5	6	1	47	4.2	6.3
Calhoun															0.0	7.1
Charlotte															0.0	2.0
Citrus						1								1	1.4	2.1
Clay															0.0	4.1
Collier	1	1										2		4	3.6	6.1
Columbia															0.0	1.8
Dade	2	2	3	3			2		1	1		2	3	19	1.1	2.1
DeSoto															0.0	3.3
Dixie															0.0	3.9
Duval					1	1		1	1	1	1		1	7	1.2	2.5
Escambia															0.0	0.1
Flagler															0.0	2.5
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	5.3
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee						2								2	9.6	3.3
Hendry											1			1	4.6	1.6
Hernando															0.0	0.0
Highlands															0.0	0.0
Hillsborough	1	1	1		2	1		1		2	2	3		14	1.9	3.6
Holmes															0.0	0.0
Indian River		1			3		1	1		1			2	9	12.0	9.5
Jackson		1						1						2	5.0	5.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake					1		1			3				5	4.1	5.9
Lee	2	1		1		2			1		1		2	10	3.9	8.7
Leon	1			1	2		1			1				6	3.7	8.5
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	6.6
Manatee	1	3	2					1		3				10	6.0	4.6
Marion				2										2	1.3	2.7
Martin															0.0	0.9
Monroe								1	1			1		3	4.3	4.1
Nassau															0.0	8.6
Okaloosa															0.0	0.3
Okeechobee															0.0	6.0
Orange	1	2	3	1	2		6	1	2	4	7	1		30	5.6	8.4
Osceola															0.0	4.9
Palm Beach	2	1	1	1	1	1		1	1	2				11	1.6	2.6
Pasco	1													1	0.4	1.7
Pinellas								1	4	1	2			8	1.0	2.7
Polk	3	5	1	4	5	3	4	2		2	1	1	2	33	9.2	17.2
Putnam															0.0	0.6
St. Johns															0.0	4.1
St. Lucie															0.0	5.5
Santa Rosa			1											1	1.6	1.7
Sarasota													5	5	2.1	3.5
Seminole	1	1	2		2								2	8	3.7	7.8
Sumter					1									1	3.7	3.9
Suwanee															0.0	2.8
Taylor						1								1	5.7	1.9
Union															0.0	22.3
Volusia								1	1					2	0.7	5.4
Wakulla						1								1	7.8	0.0
Walton		1												1	4.1	0.0
Washington															0.0	0.0
STATE TOTAL	19	21	16	18	22	17	21	19	20	21	20	16	18	248	2.3	4.1

*1981-1983 Average rate

HEPATITIS UNSPECIFIED - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



HEPATITIS UNSPECIFIED - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



CAMPYLOBACTERIOSIS

In 1984, 1230 cases of camplyobacteriosis were reported to the state. The case rate per 100,000 population was 11.2. This rate represents an increase of 40% over the 1983 rate (8.0 per 100,000).

The highest age-specific incidence rate per 100,000 was in the less than 1 year old age group (49.7 per 100,000) followed by those aged 1-4 (41.9 per 100,000). Rates for other age groups remained significantly lower.

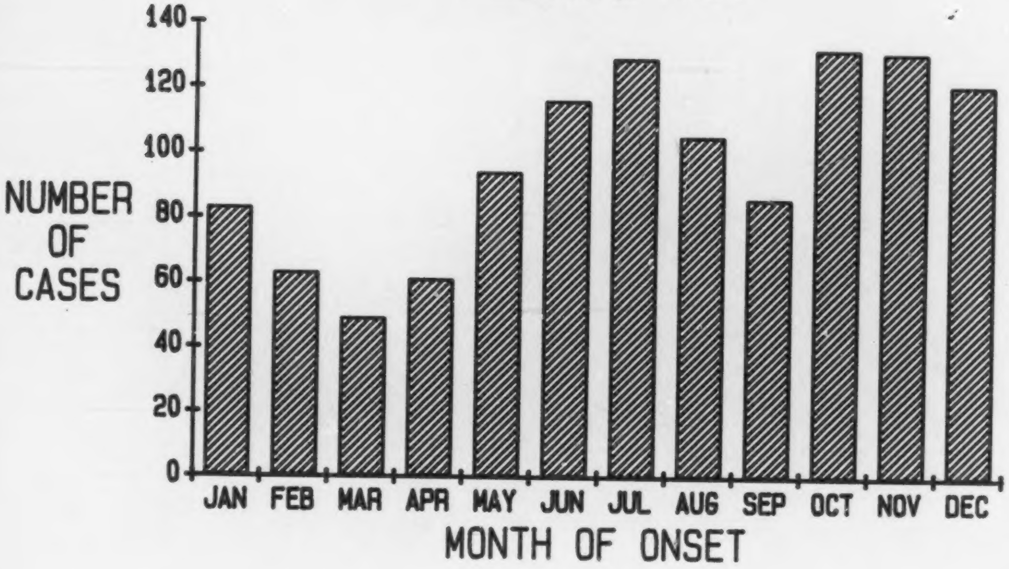
The number of reported cases by month of onset were highest during June and July, and again during October and November. Cases of campylobacteriosis were reported from all but 21 of Florida's 67 counties. The highest rates were observed in Martin (62.4 per 100,000) and Leon (54.2 per 100,000) counties.

CAMPYLOBACTEROSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

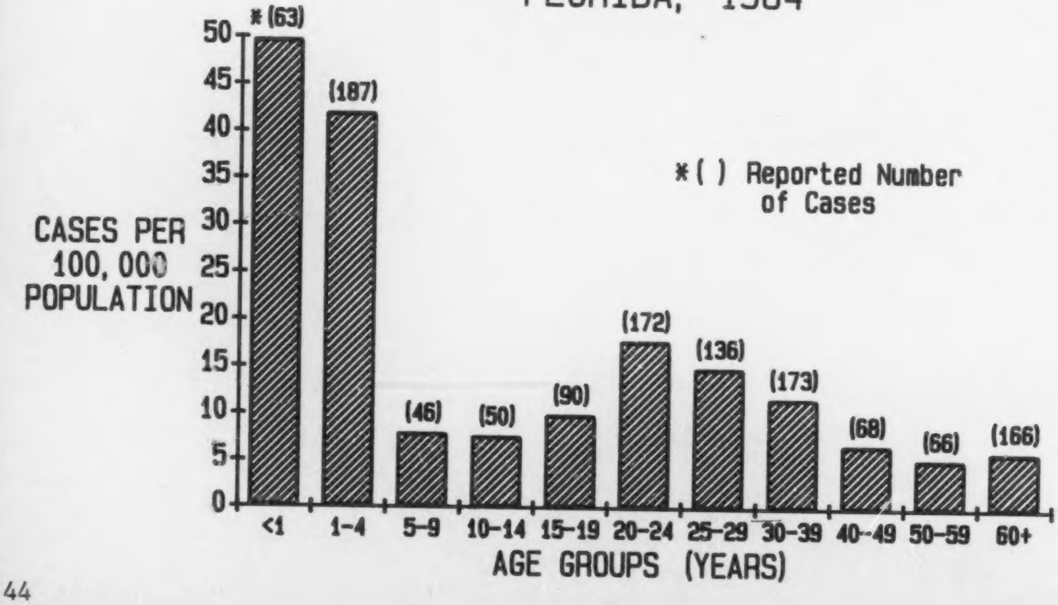
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. MEAN
Alachua	5	2	3	4	1	6	6	5	5	9	4	3	3	56	33.0	16.1
Baker															0.0	2.0
Bay	1	1		1		2	1	2			1			9	7.9	2.6
Bradford															0.0	0.0
Brevard		1	2					1	1	1	1			7	2.1	0.3
Broward	13	11	5	12	10	20	19	20	15	15	13	16	1	170	15.4	9.8
Calhoun															0.0	0.0
Charlotte			1			1	2					1		5	6.7	0.0
Citrus			1					2			1			4	5.7	2.1
Clay	3		2				1	1	1	4	1			13	16.1	2.7
Collier	1	1		1		2	1	2	3	7	2	15		35	31.6	25.9
Columbia											1		2	3	7.7	2.7
Dade	6	3	2	8	4	12	9	10	4	10	8	14	21	111	6.3	1.6
DeSoto						1			1				1	3	14.1	5.0
Dixie															0.0	0.0
Duval	3	6		1	7	5	7	5	1	4	10		3	52	8.6	2.6
Escambia											3	1		4	1.5	0.0
Flagler															0.0	0.0
Franklin													1	1	12.1	0.0
Gadsden							2							2	4.5	0.0
Gilchrist															0.0	5.0
Glades															0.0	5.3
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	3.3
Hendry													1	1	4.6	0.0
Hernando															0.0	0.0
Highlands													1	1	1.8	0.0
Hillsborough	3	1	3	7	10	8	11	12	5	6	12	7		85	11.7	7.3
Holmes															0.0	0.0
Indian River					1						1	1		3	4.0	4.0
Jackson															0.0	0.0
Jefferson								1						1	8.7	3.1
Lafayette												1		1	22.8	8.2
Lake	2				2					2				6	5.0	0.3
Lee	1	2	1		1	1	2	2			5	1	2	18	7.1	4.7
Leon	7	4	2	3	10	8	8	6	10	14	12	5		89	54.2	27.9
Levy													1	1	4.5	3.1
Liberty															0.0	0.0
Madison												1		1	6.5	2.2
Manatee			1			1					1		1	4	2.4	0.4
Marion	2	2	1			2	4	2	1	1	5	1	1	22	14.6	3.6
Martin	7	2	1	4	3	6	4	3	3	5	1	6	4	49	62.4	13.9
Monroe															0.0	3.1
Nassau									1					1	2.6	9.5
Okaloosa		1	1					2	1					5	3.8	1.1
Okeechobee															0.0	1.5
Orange	6	3	6	4	13	13	10	8	10	14	12	9	2	110	20.6	7.2
Osceola								1	2			1		4	5.6	6.5
Palm Beach	9	12	3	9	13	7	18	10	15	13	20	19	1	149	21.6	7.7
Pasco	1	2	2	1	1	2	2	1	1	1	1			15	6.6	2.5
Pinellas	2	1	4	2	6	7	4	3	2	6	3	4		44	5.6	4.6
Polk	2	3	2	1	3	5	4	2	3	11	5	3	2	46	12.9	11.2
Putnam	1	3	1	1	1	3	3				1	2	1	17	30.6	17.7
St. Johns	1			1	2	2	5			2	1			14	21.5	2.3
St. Lucie	1				1		1	2			2	5		12	10.6	1.6
Santa Rosa	2				1	1				1		1		6	9.6	4.0
Sarasota			2			1					1	1	10	15	6.4	4.9
Seminole								1						1	0.5	2.7
Sumter							1							1	3.7	0.0
Suwanee															0.0	1.4
Taylor															0.0	5.8
Union															0.0	0.0
Volusia	4	2	3	1	4		4	1		4	3	3		29	9.7	7.3
Wakulla									1	2			1	4	31.2	18.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	83	63	49	61	94	116	129	105	86	132	131	121	60	1230	11.2	5.3

*1981-1983 Average rate

CAMPYLOBACTERIOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



CAMPYLOBACTERIOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



SALMONELLOSIS

In 1984, 1,859 cases of salmonellosis were reported to the state. This represents a 20.3% decrease from the total number of cases reported in 1983 (2,332). The case rate in 1984 (16.9 per 100,000) was 22.8% lower than the rate in 1983 (21.9 per 100,000). The peak occurrence of cases was September through October, with the lower number of cases occurring in February.

The highest age-specific incidence rate per 100,000 population was in the less than 1 year old age group (244.6 per 100,000) followed by those aged 1-4 (141.8 per 100,000). The case rate then decreased rapidly with increasing age.

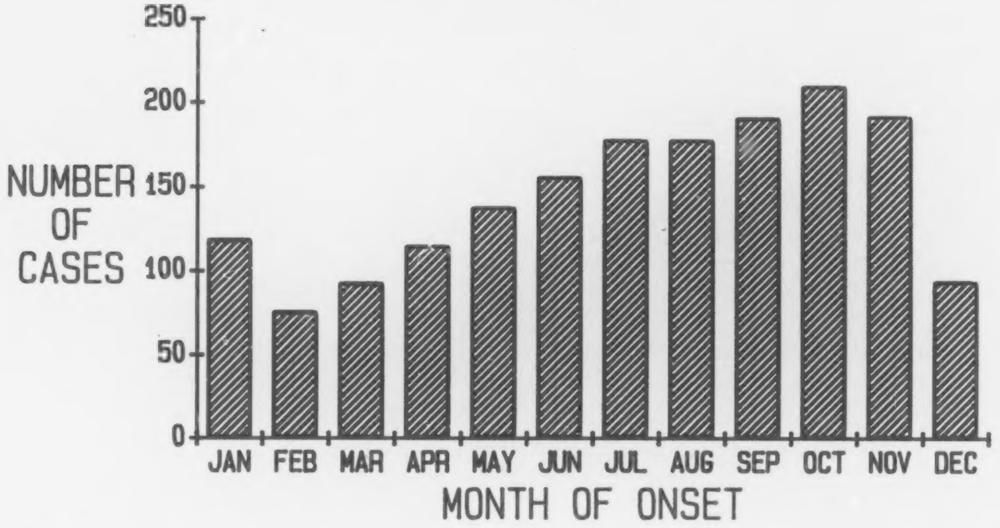
Salmonellosis was reported from all but 2 of Florida's 67 counties.

SALMONELLOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

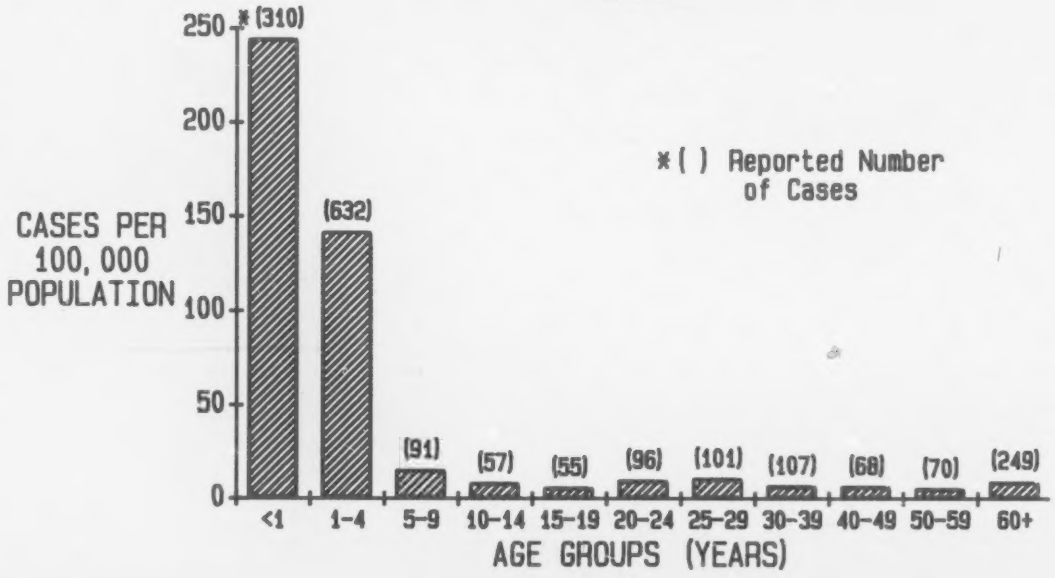
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua	1	4	1	3	2	3	7	4	6	5	3		5	44	26.0	22.9
Baker						1							2	3	17.5	16.3
Bay	1	1	1		5	3	4	8	7	11	6			47	41.2	66.9
Bradford													3	3	12.9	15.7
Brevard	3	2	1	6	6	9	4	7	3	5	3	4	2	55	16.8	28.6
Broward	12	7	11	15	13	13	10	11	15	21	14	13	7	162	14.6	15.4
Calhoun													2	2	21.4	28.4
Charlotte		2	1	1	4	1	2	2		1	1		1	16	21.3	49.4
Citrus		1			2		1	1	2	1	1			9	12.9	28.2
Clay	2		3			4	4	1	2	1	1	1		19	23.5	17.8
Collier	2	2	2	5	2	4	3	1	4	4	4	2		35	31.6	40.9
Columbia					3	3	1	1			2		1	11	28.3	36.2
Dade	6	2	11	6	7	13	12	14	16	8	10	7	20	132	7.5	14.2
DeSoto			1	1	1		1	2	2		3	1		12	56.4	71.7
Dixie									1					1	10.8	31.1
Duval	48	3	6	6	6	16	18	14	13	16	12	3	8	169	27.8	24.7
Escambia	2		1	2	2	3	7	1		3	3	2	1	27	10.5	17.7
Flagler						1								1	6.6	19.9
Franklin															0.0	4.3
Gadsden		3	1		2		1	2	2					11	25.0	39.1
Gilchrist								1					1	2	28.1	24.8
Glades											1			1	15.1	15.9
Gulf			1				1							2	18.0	0.0
Hamilton		1												1	10.9	7.6
Hardee						1								1	4.8	14.9
Hendry							1	1		3	4			9	41.1	23.0
Hernando		3						1	1			3	1	9	14.2	13.6
Highlands			1	1				1		1			1	5	8.8	23.6
Hillsborough		4	3	5	7	8	11	8	7	10	6	8		77	10.6	18.0
Holmes															0.0	0.0
Indian River		1				1	1	1					2	6	8.0	9.0
Jackson							1							1	2.5	23.4
Jefferson									1					1	8.7	9.2
Lafayette								1						1	22.8	16.4
Lake					1		2	2				1	1	7	5.8	10.1
Lee	1	1	1	3	3	4	5	3	4	1	4	3	8	41	16.1	24.1
Leon	1	1	4	9	5	2	11	10	8	28	15	5		99	60.3	49.1
Levy										1			4	5	22.6	23.5
Liberty									2					2	44.8	0.0
Madison									1					1	6.5	4.4
Manatee	1	1						4	2	1	3	1	2	15	9.0	19.6
Marion	1	1		5	1	2	3	3	1	1	5	1	1	25	16.6	18.2
Martin	2	1	1	1	1	3	2		1	1	1	2		16	20.4	66.0
Monroe		1	1											2	2.9	6.6
Nassau			1		1					2		1		5	13.1	16.2
Okaloosa								1	5					6	4.6	21.2
Okeechobee			1										1	2	8.3	58.6
Orange	5	3	2	8	10	7	10	15	15	21	13	6	3	118	22.1	33.8
Osceola		3	1		1	1	3	1	2	2	2		5	21	29.4	42.7
Palm Beach	6	6	10	7	14	11	12	12	14	19	11	5	3	130	18.8	24.7
Pasco	2	4	5	2	3	3	3	5	7	2		4		40	17.5	19.2
Pinellas	4	3	4	8	8	9	8	5	10	4	12	2		77	9.8	18.3
Polk	5	7	7	4	9	13	7	11	11	13	16	6	6	115	32.1	40.7
Putnam	3	2		5	3	1	3	3	5		4	1	2	32	57.6	48.7
St. Johns	1				2	1	1		3	1	2			11	16.9	18.0
St. Lucie			3	3	1	1	2	1	2	1	5	2		21	18.6	17.6
Santa Rosa			1	2	1				2		4			10	16.1	12.4
Sarasota	1			1	2		1	2			1	3	16	27	11.6	22.7
Seminole	1	1	1	2	1	2	3	5	3	9	8	2	3	41	18.9	29.8
Sumter	1	2									1			4	15.0	6.5
Suwanee		1											2	3	12.0	1.4
Taylor			1		2	1		3						7	39.6	27.0
Union												1		1	9.5	3.2
Volusia	6	2	4	4	7	11	11	9	11	11	11	2	3	92	30.9	36.1
Wakulla												2	2	4	31.2	36.0
Walton	1													1	4.1	20.9
Washington							1			2				3	20.2	11.1
STATE TOTAL	119	76	93	115	138	156	178	178	191	210	192	94	119	1859	16.9	22.8

*1981-1983 Average rate

SALMONELLOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



SALMONELLOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



SHIGELLOSIS

In 1984, 1032 cases of shigellosis were reported to the state. This represents a 47.4% increase from the total number of cases reported in 1983 (700). The case rate in 1984 (9.4 per 100,000) increased by 42.4% from the rate in 1983 (6.6 per 100,000).

The peak month of occurrence in 1984 was February (118 cases) as compared to September (91 cases) in 1983.

Children aged 1-4 had the highest reported rate of illness (104.7 per 100,000), which represents a 68.6% increase from 1983 (62.1 per 100,000). The next highest rate was observed in the 5-9 year old age group (26.6 per 100,000). Case rates were uniformly low for the remaining age groups.

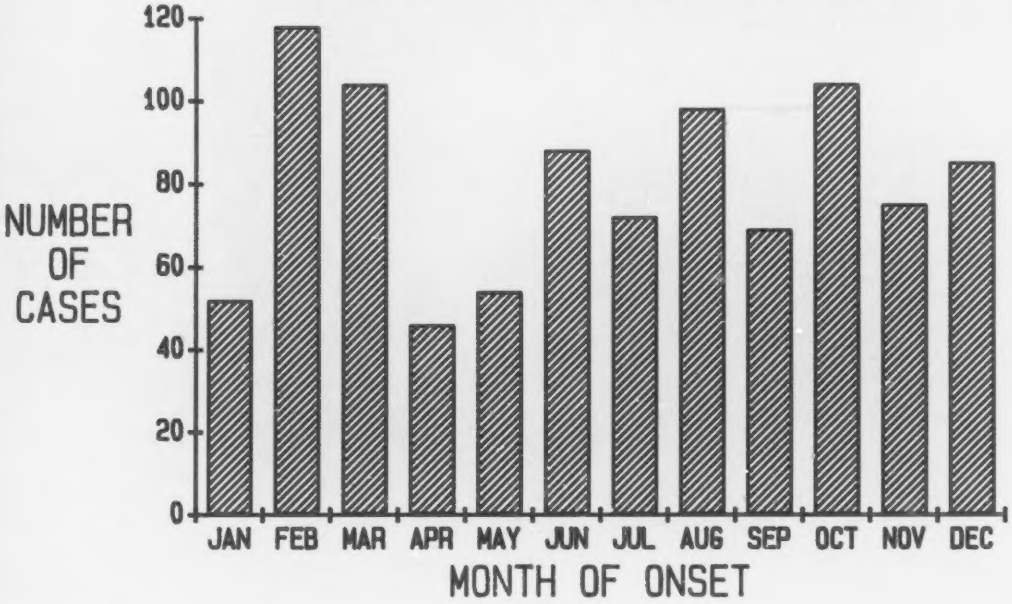
Shigellosis cases were reported from all but 23 of Florida's 67 counties. The highest rates were observed in Osceola (155.4 per 100,00) and Gilchrist (154.5 per 100,000) counties.

SHIGELLOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

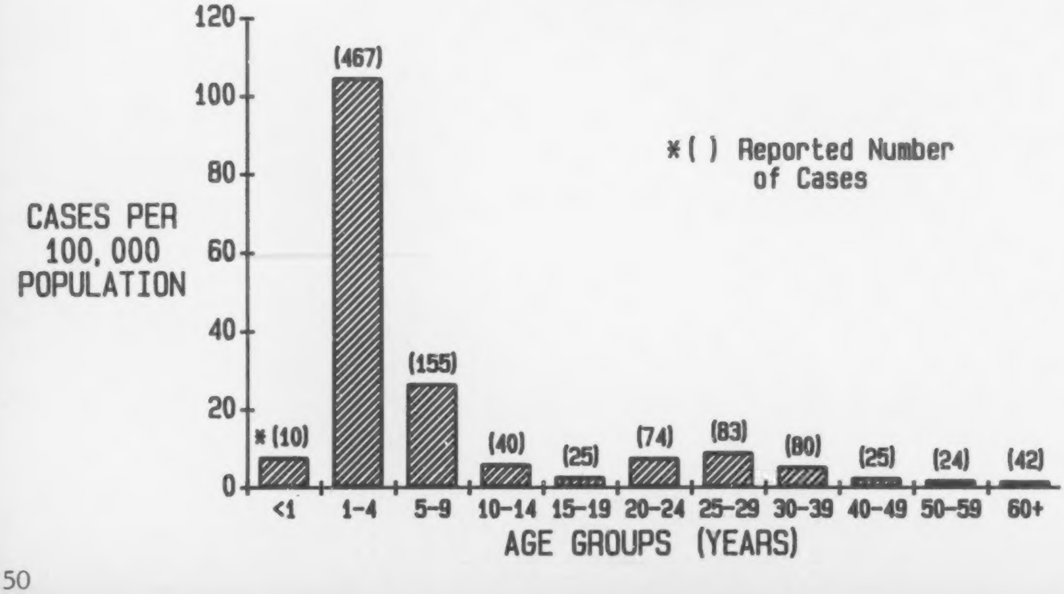
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. MEAN
Alachua		21	7	2			2	14	2	1	2	12	8	71	41.9	4.4
Baker	2						1						1	4	23.3	6.1
Bay							1			2	4			7	6.1	0.6
Bradford		1	2				1		1				1	6	25.9	1.6
Brevard						4	1	5	1	3				14	4.3	3.9
Broward	2	4	1	2	3	7	3	13	12	9	8	8	7	79	7.1	3.7
Calhoun													1	1	10.7	21.3
Charlotte													1	1	1.3	9.6
Citrus							1	1						2	2.9	3.7
Clay			2				1			1	2			6	7.4	4.1
Collier		1	1	1		2		1						6	5.4	15.3
Columbia			1								1			2	5.2	6.3
Dade	4	13	10	7	7	14	9	14	13	4	5	2	19	121	6.9	7.6
DeSoto					4		1			1		4		10	47.0	6.7
Dixie							1							1	0.4	3.9
Duval	6	2	2			1	3	2		3	8	4	3	34	5.6	12.1
Escambia						1								1	0.4	3.9
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden						1	1			1				3	6.8	29.7
Gilchrist	1							1	1	6	2			11	154.5	0.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	3.8
Hardee		1											1	2	9.6	5.0
Hendry															0.0	9.8
Hernando															0.0	1.9
Highlands											1		1	2	3.5	1.3
Hillsborough			1	3	2	7	8	2	2	3	3	1		32	4.4	6.4
Holmes															0.0	0.0
Indian River															0.0	3.0
Jackson								1						1	2.5	75.2
Jefferson					1							1		2	17.5	3.1
Lafayette															0.0	0.0
Lake		2	1	5			1							9	7.4	2.4
Lee						1	2	6	1	2		1	3	16	6.3	2.5
Leon			1	2	1		1	3	2	3	1			14	8.5	16.4
Levy													1	1	4.5	6.3
Liberty															0.0	0.0
Madison															0.0	2.2
Manatee		1						1	2			1	2	7	4.2	6.0
Marion	1			1	3	8	1	1		2	10	18	3	48	31.8	10.6
Martin					2	7	2	3	2	1	2	1		20	25.5	10.7
Monroe															0.0	5.1
Nassau	1													1	2.6	6.7
Okaloosa									1					1	0.8	0.6
Okeechobee						1				4	5			10	41.4	6.0
Orange	25	8	22	14	18	13	7	9	10	9	4	6	1	146	27.3	9.8
Osceola	5	56	46	1		1			1			1		111	155.4	12.4
Palm Beach		4	2	3	3	14	6	4	11	17	6	17		87	12.6	8.7
Pasco	1					4	1	4		1				11	4.8	2.6
Pinellas	1	1	2	4	5		3	2	1		1			20	2.5	2.8
Polk	2	1	1	1	1		10	6	5	25	8	7	9	76	21.2	5.8
Putnam															0.0	2.5
St. Johns															0.0	4.1
St. Lucie															0.0	0.7
Santa Rosa															0.0	0.6
Sarasota					1						1	1	1	4	1.7	1.8
Seminole		1	2		2	2	3	5	1	4	1		4	25	11.5	11.6
Sumter							1			1				2	7.5	2.6
Suwanee															0.0	0.0
Taylor															0.0	7.7
Union															0.0	0.0
Volusia	1	1			1					1				4	1.3	2.7
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	52	118	104	46	54	88	72	98	69	104	75	85	67	1032	9.4	6.6

*1981-1983 Average rate

SHIGELLOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



SHIGELLOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



VIBRIO INFECTIONS

In 1984, there were a total of 49 reported cases of vibrio infection, including *Vibrio parahaemolyticus* (18 cases), *Vibrio cholerae* non-01 (9), *Vibrio vulnificus* (9), *Vibrio hollisae* (5), *Vibrio mimicus* (3), *Vibrio alginolyticus* (3), and *Vibrio fluvialis* (2).

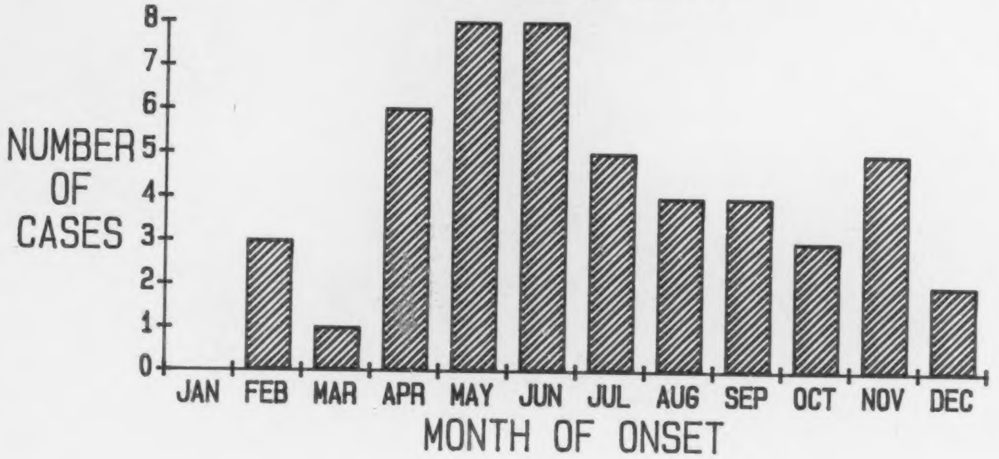
The median age was 37 years and 72% were male. Counties reporting the most infections were Leon and Hillsborough (8 each), followed by Volusia and Palm Beach (6 each). Months with the peak number of cases were May and June (8 each), followed by April (6) and July (5).

VIBRIO INFECTIONS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

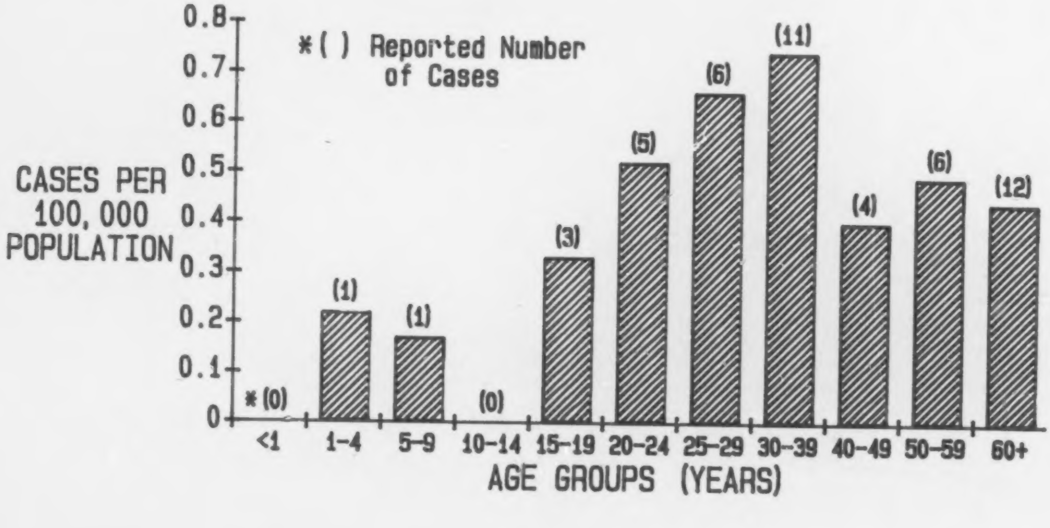
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. MEAN*
Alachua															0.0	--
Baker															0.0	--
Bay												1		1	0.9	--
Bradford															0.0	--
Brevard			1		1									2	0.6	--
Broward															0.0	--
Calhoun															0.0	--
Charlotte															0.0	--
Citrus															0.0	--
Clay															0.0	--
Collier										1				1	0.9	--
Columbia															0.0	--
Dade									1					1	0.1	--
DeSoto															0.0	--
Dixie															0.0	--
Duval						2			1	1				4	0.7	--
Escambia							1	1	1					3	1.2	--
Flagler															0.0	--
Franklin											1			1	12.1	--
Gadsden															0.0	--
Gilchrist															0.0	--
Glades															0.0	--
Gulf															0.0	--
Hamilton															0.0	--
Hardee															0.0	--
Hendry															0.0	--
Hernando															0.0	--
Highlands															0.0	--
Hillsborough					4	3		1						8	1.1	--
Holmes															0.0	--
Indian River															0.0	--
Jackson															0.0	--
Jefferson															0.0	--
Lafayette															0.0	--
Lake							1							1	0.8	--
Lee					1			1						2	0.8	--
Leon				1	1	1	2			1	1	1		8	4.9	--
Levy															0.0	--
Liberty															0.0	--
Madison															0.0	--
Manatee															0.0	--
Marion															0.0	--
Martin				1		1								2	2.5	--
Monroe															0.0	--
Nassau															0.0	--
Okaloosa															0.0	--
Okeechobee															0.0	--
Orange									1					1	0.2	--
Osceola															0.0	--
Palm Beach		2		2	1						1			6	0.9	--
Pasco															0.0	--
Pinellas															0.0	--
Polk															0.0	--
Putnam															0.0	--
St. Johns															0.0	--
St. Lucie															0.0	--
Santa Rosa															0.0	--
Sarasota															0.0	--
Seminole						1								1	0.5	--
Sumter															0.0	--
Suwanee															0.0	--
Taylor															0.0	--
Union															0.0	--
Volusia		1		2			1	1			1			6	2.0	--
Wakulla											1			1	7.8	--
Walton															0.0	--
Washington															0.0	--
STATE TOTAL	0	3	1	6	8	8	5	4	4	3	5	2	0	49	0.4	--

* Not Available

VIBRIO INFECTIONS - REPORTED
CASES BY MONTH OF ONSET,
FLORIDA, 1984



VIBRIO INFECTIONS - REPORTED
CASE RATES BY AGE GROUP,
FLORIDA, 1984



VIBRIO INFECTIONS - Reported laboratory confirmed cases, by county, Florida, 1984

County	Vibrio Alginolyticus	Vibrio Cholera Non-01	Vibrio Fluvialis	Vibrio Hollisae	Vibrio Mimicus	Vibrio Parahaemolyticus	Vibrio Vulnificus
Alachua							
Baker							
Bay		1					
Bradford							
Brevard					1	1	
Broward							
Calhoun							
Charlotte							
Citrus							
Clay							
Collier						1	
Columbia							
Dade		1					
DeSoto							
Dixie							
Duval		1				2	1
Escambia		1				1	1
Flagler							
Franklin			1				
Gadsden							
Gilchrist							
Glades							
Gulf							
Hamilton							
Hardee							
Hendry							
Hernando							
Highlands							
Hillsborough	1					4	3
Holmes							
Indian River							
Jackson							
Jefferson							
Lafayette							
Lake	1						
Lee		1				1	
Leon		2			2	3	1
Levy							
Liberty							
Madison							
Manatee							
Marion							
Martin						1	1
Monroe							
Nassau							
Okaloosa							
Okeechobee							
Orange							1
Osceola							
Palm Beach		1	1	3		1	
Pasco							
Pinellas							
Polk							
Putnam							
St. Johns							
St. Lucie							
Santa Rosa							
Sarasota							
Seminole	1						
Sumter							
Suwannee							
Taylor							
Union							
Volusia		1		2		2	1
Wakulla						1	
Walton							
Washington							
TOTAL	3	9	2	5	3	18	9

SECTION 3:

Summary of Vaccine Preventable Diseases of Childhood

Prepared by Immunization Program
Henry T. Janowski, M.P.H., Program Supervisor

MEASLES (RUBEOLA)

In 1984, 30 cases of measles were reported to the state, which represents an 81.1% decrease from the total number of cases reported in 1983 (159). The case rate in 1984 (0.3 per 100,000) declined 80 percent from the rate in 1983 (1.5 per 100,000).

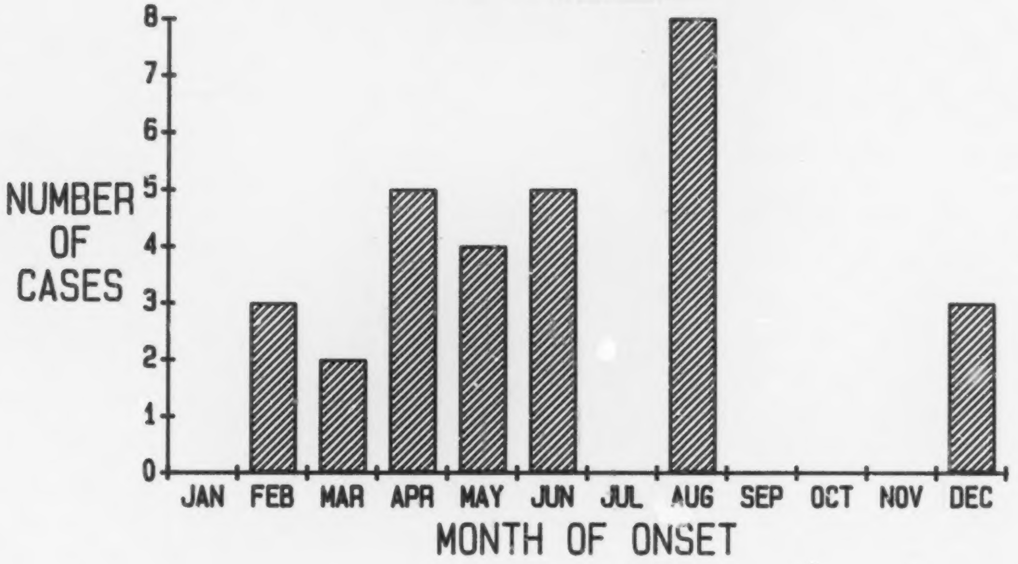
Nearly one-half (14) of the cases were associated with an outbreak that occurred in the Orlando area (Orange County) between May and August. The greatest number of cases was reported in August (8 cases). Children aged 1-4 (4 cases) and young adults aged 15-19 (8 cases) had the highest reported rate of illness (0.9 per 100,000). The 10-14 year old age group contributed 5 cases (0.8 per 100,000).

MEASLES - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

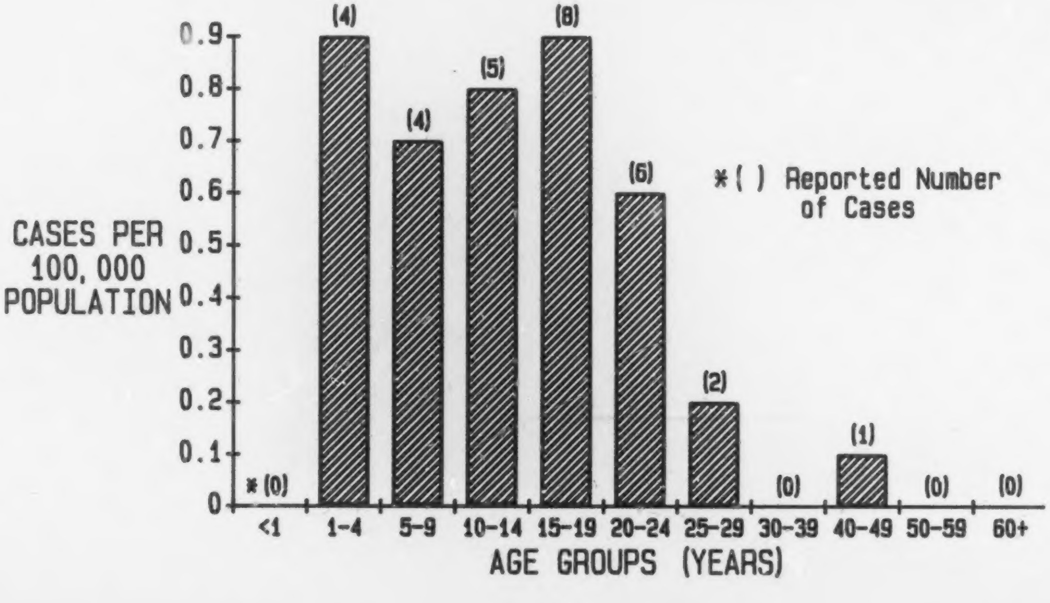
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua															0.0	0.2
Baker															0.0	0.0
Bay															0.0	0.0
Bradford															0.0	1.6
Brevard															0.0	0.3
Broward															0.0	1.3
Calhoun															0.0	0.0
Charlotte															0.0	2.5
Citrus															0.0	0.0
Clay															0.0	0.0
Collier															0.0	1.7
Columbia															0.0	0.0
Dade								1						1	0.1	6.4
DeSoto															0.0	3.3
Dixie															0.0	0.0
Duval															0.0	0.2
Escambia															0.0	0.3
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist															0.0	0.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	6.6
Hendry															0.0	1.6
Hernando				1								1		2	3.2	0.0
Highlands															0.0	0.0
Hillsborough															0.0	0.9
Holmes															0.0	0.0
Indian River															0.0	0.0
Jackson															0.0	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake															0.0	0.3
Lee															0.0	12.9
Leon								1						1	0.6	0.2
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee															0.0	1.7
Marion															0.0	0.7
Martin		3												3	3.8	0.9
Monroe															0.0	0.0
Nassau															0.0	1.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange					3	5		6						14	2.6	0.3
Osceola															0.0	1.6
Palm Beach															0.0	1.0
Pasco				1								2		3	1.3	16.3
Pinellas															0.0	2.4
Polk			1	2										3	0.8	2.0
Putnam															0.0	0.6
St. Johns															0.0	0.0
St. Lucie															0.0	0.3
Santa Rosa															0.0	1.1
Sarasota															0.0	0.0
Seminole															0.0	0.7
Sumter															0.0	0.0
Suwanee			1	1	1									3	12.0	0.0
Taylor															0.0	0.0
Union															0.0	3.2
Volusia															0.0	0.4
Wakulla															0.0	0.0
Walton															0.0	0.0
Washington															0.0	0.0
STATE TOTAL	0	3	2	5	4	5	0	8	0	0	0	3	0	30	0.3	2.4

*1981-1983 Average rate

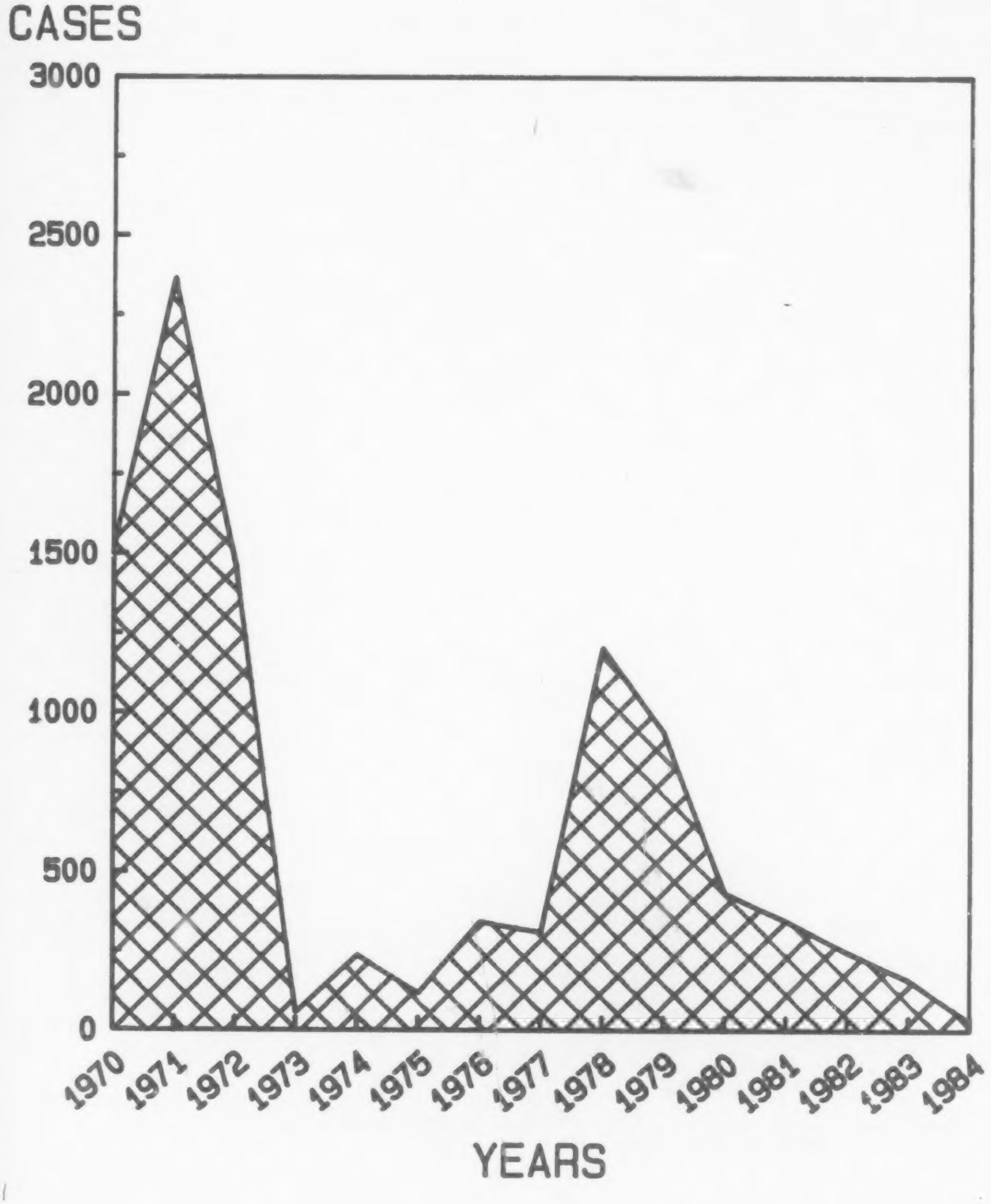
MEASLES (RUBEOLA) - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



MEASLES (RUBEOLA) - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



MEASLES (RUBEOLA) CASES REPORTED
FLORIDA, 1970-1984



MUMPS

In 1984, 47 cases of mumps (0.4 per 100,000) were reported to the state. The greatest number of cases was reported in January (10 cases) followed by the second greatest number of cases reported in May (6 cases).

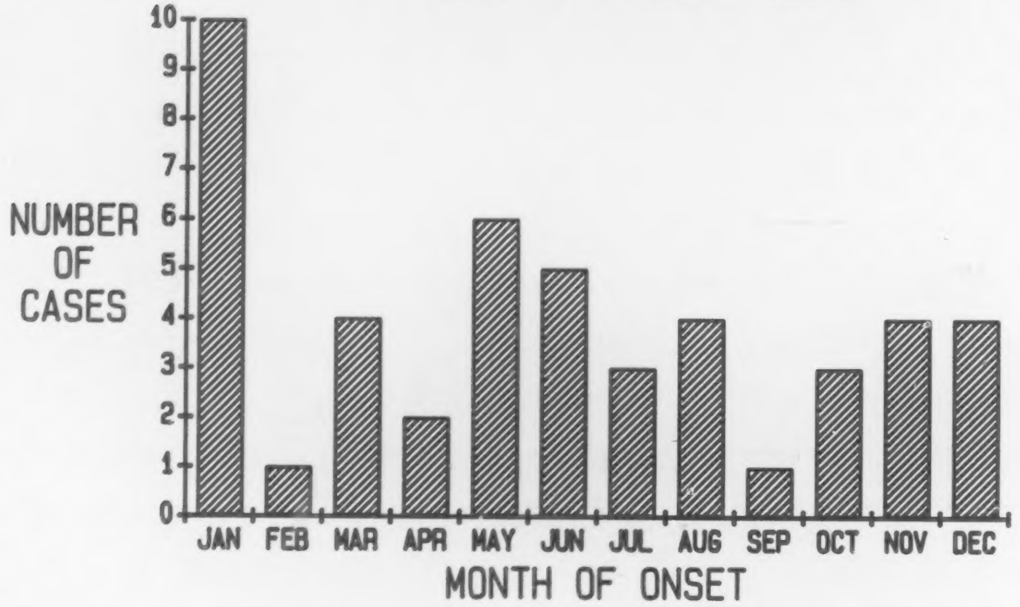
Over one-half (26) of the cases occurred in four counties: Palm Beach, Pinellas, Polk and Volusia. Children aged 5-9 had the highest reported rate of illness, 15 cases (2.6 per 100,000). The 10-14 year old age group contributed 12 cases (1.8 per 100,000) and the 1-4 year age group contributed 11 cases (2.5 per 100,000). A total of 6 cases (12.8%) were reported in persons older than 19 years of age.

MUMPS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

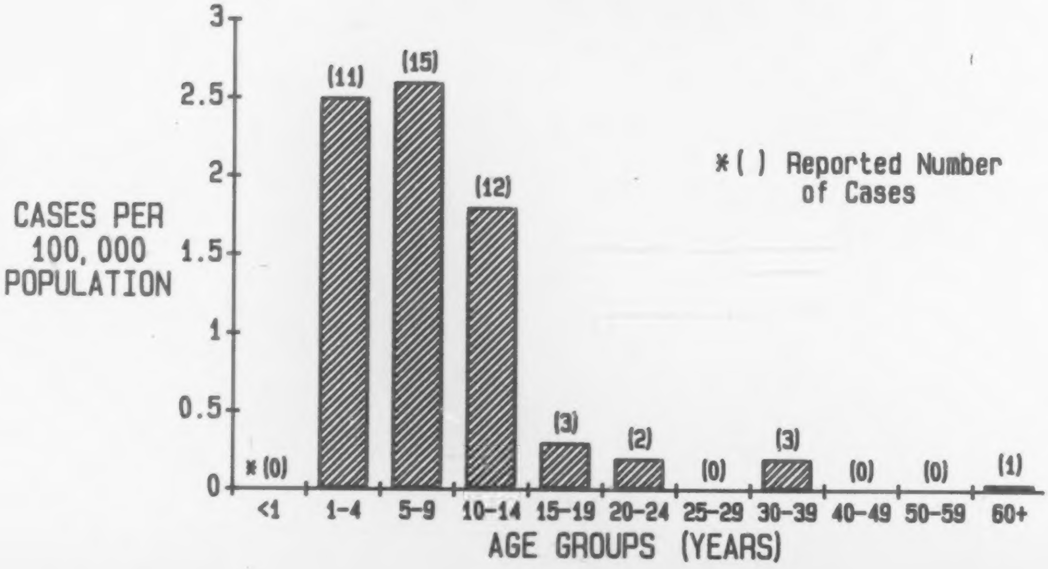
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. MEAN *
Alachua															0.0	1.0
Baker															0.0	0.0
Bay															0.0	0.6
Bradford															0.0	1.6
Brevard	1					1								2	0.6	0.0
Broward															0.0	0.4
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus															0.0	1.6
Clay	1													1	1.2	1.8
Collier	1							1						2	1.8	0.7
Columbia									1					1	2.6	1.8
Dade															0.0	0.2
DeSoto			1											1	4.7	1.7
Dixie															0.0	0.0
Duval												1		1	0.2	0.6
Escambia															0.0	0.1
Flagler															0.0	0.0
Franklin															0.0	4.3
Gadsden															0.0	0.0
Gilchrist															0.0	9.9
Glades															0.0	5.3
Gulf															0.0	3.1
Hamilton															0.0	3.8
Hardee															0.0	0.0
Hendry															0.0	0.0
Hernando					1			1						2	3.2	0.6
Highlands															0.0	1.9
Hillsborough											1			1	0.1	0.2
Holmes															0.0	0.0
Indian River															0.0	1.0
Jackson															0.0	2.5
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake										1				1	0.8	1.8
Lee															0.0	0.7
Leon	1													1	0.6	0.6
Levy															0.0	0.0
Liberty								1						1	22.4	0.0
Madison															0.0	0.0
Manatee															0.0	1.0
Marion															0.0	0.7
Martin															0.0	0.9
Monroe						1								1	1.4	1.0
Nassau												1		1	2.6	3.8
Okaloosa				1	2									3	2.3	0.0
Okeechobee															0.0	0.0
Orange															0.0	0.0
Osceola															0.0	0.5
Palm Beach	1	1	2		1		1				1			7	1.0	0.7
Pasco															0.0	0.9
Pinellas	3				1		1			1	1	2		9	1.1	1.8
Polk					1	1	1	1						4	1.1	0.8
Putnam															0.0	0.0
St. Johns						2								2	3.1	0.6
St. Lucie															0.0	0.7
Santa Rosa															0.0	2.3
Sarasota															0.0	0.6
Seminole															0.0	1.9
Sumter															0.0	9.1
Suwanee															0.0	1.4
Taylor															0.0	1.9
Union															0.0	0.0
Volusia	2		1	1						1	1			6	2.0	1.1
Wakulla															0.0	0.0
Walton															0.0	6.0
Washington															0.0	0.0
STATE TOTAL	10	1	4	2	6	5	3	4	1	3	4	4	0	47	0.4	0.7

*1981-1983 Average rate

MUMPS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



MUMPS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



PERTUSSIS

In 1984, 91 cases of pertussis were reported to the state, which represents a 60% increase from the total number of cases reported in 1983 (57). The case rate in 1984, (0.8 per 100,000) increased 60% from the rate in 1983 (0.5 per 100,000).

Two-thirds of the cases occurred in five counties: Duval, Hillsborough, Pinellas, Polk and St. Johns. The highest number of cases reported was 14 in the month of July.

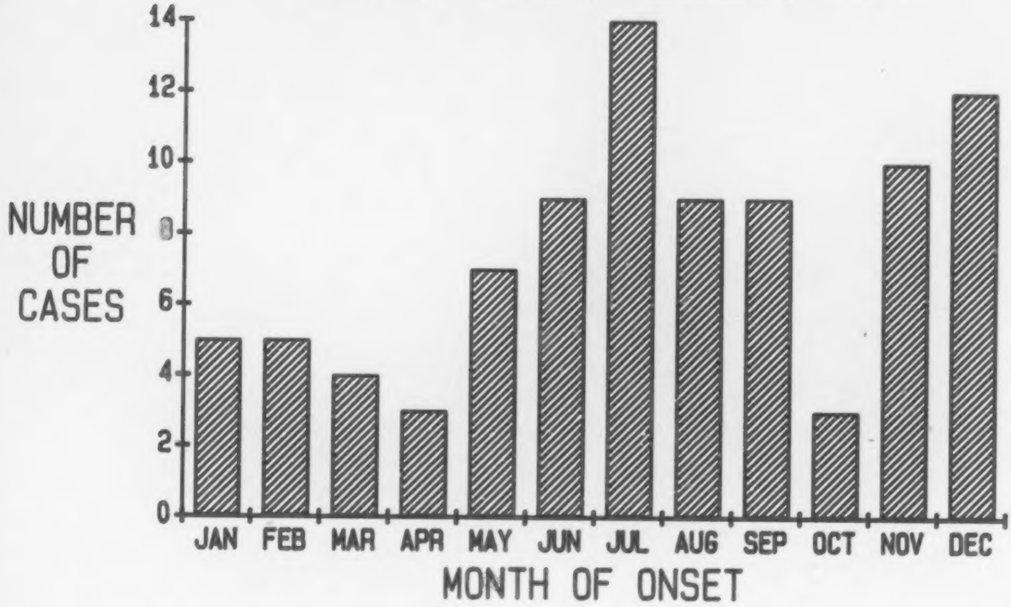
Children less than one year of age had the highest reported rate of illness (48.9 per 100,000) followed by 1-4 year olds (5.8 per 100,000). Only one case was reported in a person older than 19 years of age.

PERTUSSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

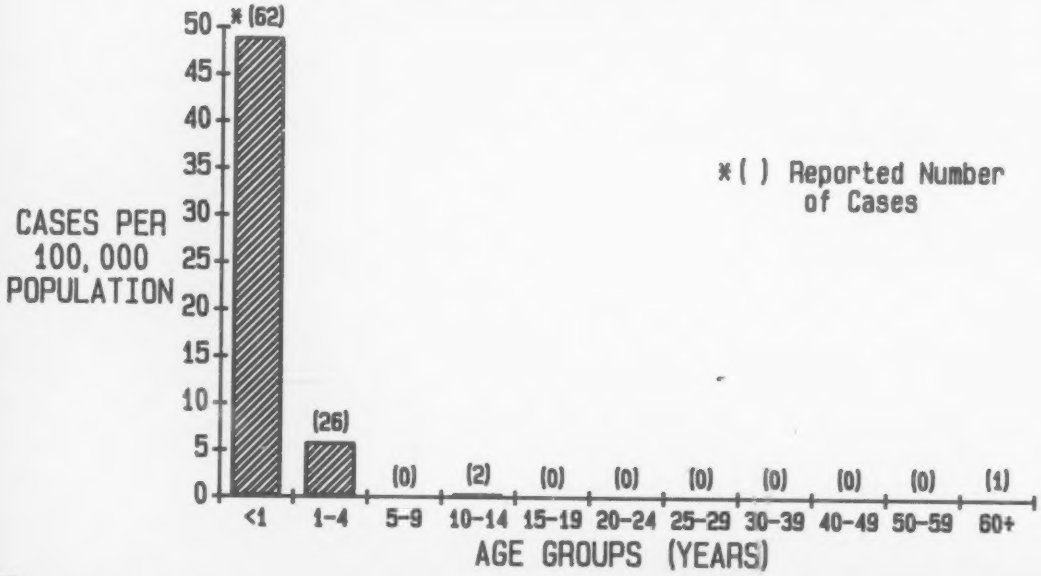
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR. * MEAN
Alachua												1		1	0.6	1.9
Baker															0.0	2.0
Bay		1												1	0.9	0.0
Bradford															0.0	0.0
Brevard							1							1	0.3	0.6
Broward							2							2	0.2	0.0
Calhoun															0.0	0.0
Charlotte															0.0	0.0
Citrus															0.0	0.5
Clay												1		1	1.2	1.4
Collier															0.0	0.3
Columbia															0.0	0.0
Dade							2	1				1		4	0.2	0.2
DeSoto															0.0	1.7
Dixie															0.0	0.0
Duval	1	1		1		4	4	2	3		7	5		28	4.6	0.8
Escambia															0.0	0.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist	1											1	1	3	42.1	0.0
Glades															0.0	0.0
Gulf							1							1	9.0	6.2
Hamilton								1						1	10.9	0.0
Hardee					1									1	4.8	0.0
Hendry					1									1	4.6	4.9
Hernando															0.0	0.0
Highlands															0.0	1.9
Hillsborough	3				1		2			1				7	1.0	1.3
Holmes															0.0	0.0
Indian River				1										1	1.3	0.0
Jackson															0.0	0.8
Jefferson															0.0	0.0
Lafayette															0.0	8.2
Lake															0.0	0.9
Lee															0.0	0.1
Leon															0.0	2.8
Levy															0.0	0.0
Liberty															0.0	7.7
Madison															0.0	4.4
Manatee															0.0	0.4
Marion						1								1	0.7	0.5
Martin			1											1	1.3	4.2
Monroe															0.0	0.0
Nassau															0.0	0.0
Okaloosa															0.0	0.0
Okeechobee															0.0	0.0
Orange															0.0	0.0
Osceola		1												1	1.4	0.5
Palm Beach			1		1					1	1			4	0.6	0.9
Pasco															0.0	0.3
Pinellas						1		1	3		1	1		7	0.9	0.5
Polk			2	1	3	1	1	3	2			1		14	3.9	3.1
Putnam															0.0	0.0
St. Johns						1	1	1		1	1			5	7.7	0.0
St. Lucie		1												1	0.9	2.0
Santa Rosa															0.0	0.0
Sarasota															0.0	0.3
Seminole															0.0	0.5
Sumter						1								1	3.7	0.0
Suwanee															0.0	1.4
Taylor												1		1	5.7	0.0
Union															0.0	0.0
Volusia															0.0	0.4
Wakulla															0.0	0.0
Walton		1												1	4.1	0.0
Washington									1					1	6.7	4.4
STATE TOTAL	5	5	4	3	7	9	14	9	9	3	10	12	1	91	0.8	0.6

*1981-1983 Average rate

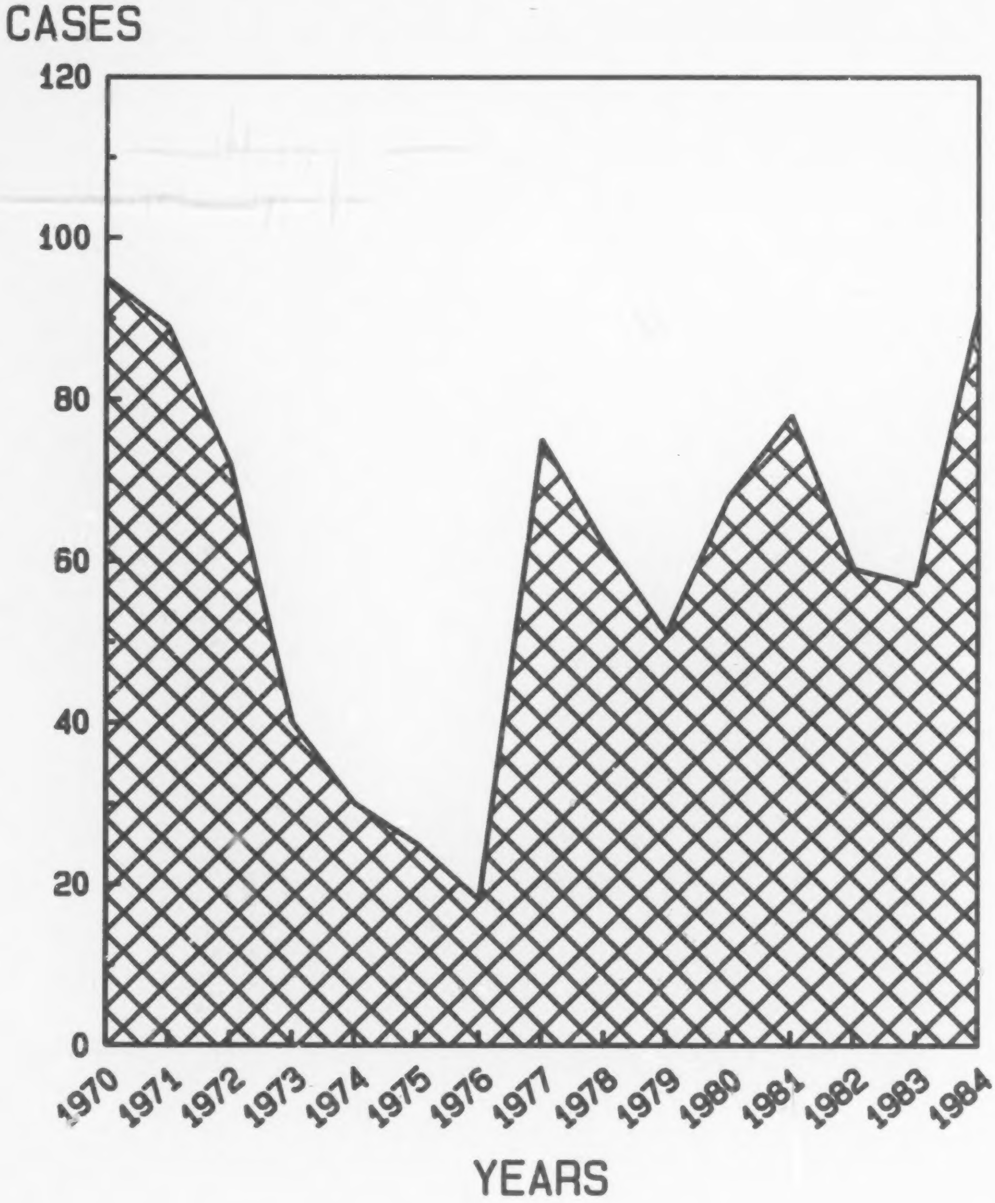
PERTUSSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1984



PERTUSSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1984



PERTUSSIS CASES REPORTED
FLORIDA, 1970-1984



RUBELLA

In 1984, 28 cases of rubella were reported to the state, which represents a 60% decrease from the total number of cases reported in 1983 (70). The case rate in 1984 (0.3 per 100,000) decreased 57% from the rate in 1983 (0.7 per 100,000).

The highest number of cases reported in a single month was 6 in February.

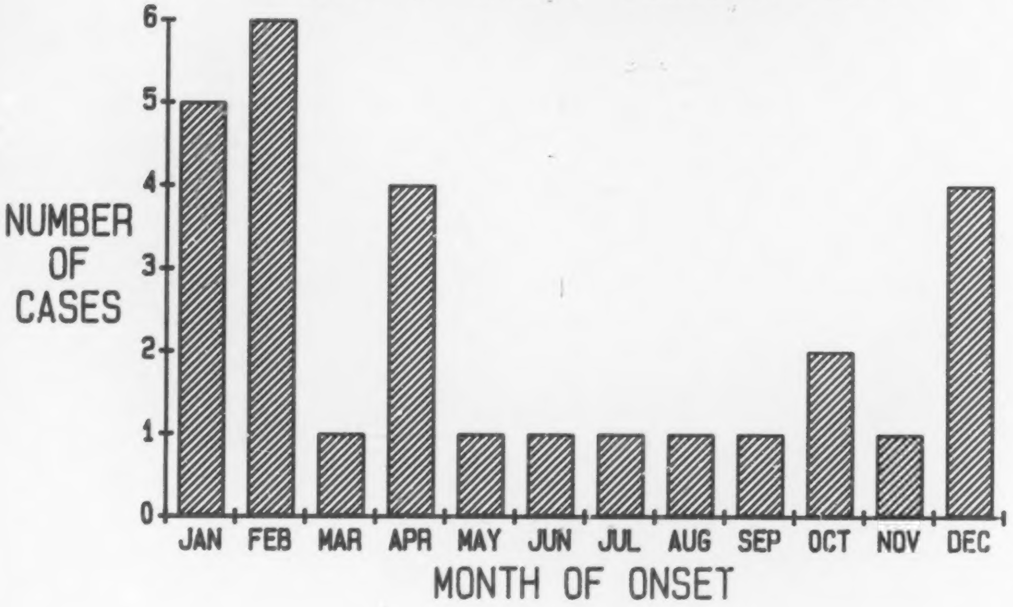
Children aged 1-4 had the highest rate of illness with 10 reported cases (2.2 per 100,000).

RUBELLA - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1984

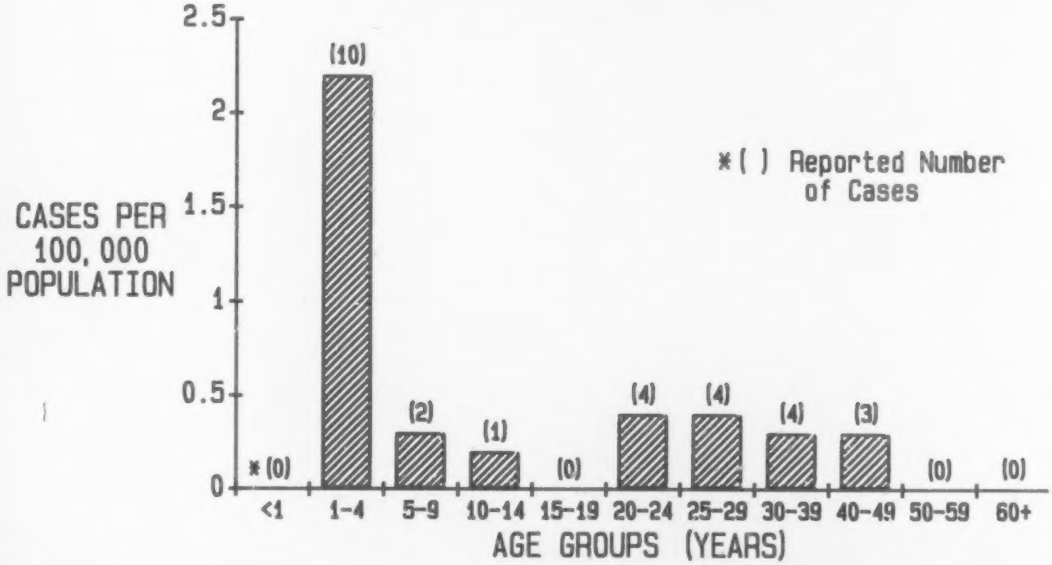
COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3-YR.* MEAN
Alachua		2												2	1.2	2.3
Baker															0.0	0.0
Bay															0.0	0.3
Bradford															0.0	0.0
Brevard										1				1	0.3	0.5
Broward															0.0	0.3
Calhoun															0.0	3.6
Charlotte															0.0	0.0
Citrus															0.0	0.0
Clay															0.0	0.5
Collier															0.0	0.7
Columbia															0.0	0.0
Dade	1		1			1					1			4	0.2	0.4
DeSoto							1	1						2	9.4	0.0
Dixie															0.0	0.0
Duval															0.0	0.1
Escambia															0.0	0.0
Flagler															0.0	0.0
Franklin															0.0	0.0
Gadsden															0.0	0.0
Gilchrist				1										1	14.0	0.0
Glades															0.0	0.0
Gulf															0.0	0.0
Hamilton															0.0	0.0
Hardee															0.0	0.0
Hendry															0.0	1.6
Hernando															0.0	0.0
Highlands															0.0	0.0
Hillsborough															0.0	1.7
Holmes															0.0	4.4
Indian River															0.0	0.0
Jackson															0.0	0.0
Jefferson															0.0	0.0
Lafayette															0.0	0.0
Lake															0.0	0.9
Lee															0.0	0.0
Leon	1	1												2	1.2	0.4
Levy															0.0	0.0
Liberty															0.0	0.0
Madison															0.0	0.0
Manatee		2		1										3	1.8	2.1
Marion															0.0	0.0
Martin															0.0	0.0
Monroe															0.0	0.0
Nassau															0.0	0.0
Okaloosa				1										1	0.8	0.3
Okeechobee															0.0	0.0
Orange															0.0	0.0
Osceola															0.0	0.5
Palm Beach	1			1	1									3	0.4	0.5
Pasco															0.0	0.9
Pinellas															0.0	0.7
Polk															0.0	1.1
Putnam															0.0	0.0
St. Johns										1		1		2	3.1	0.6
St. Lucie															0.0	0.0
Santa Rosa												1		1	1.6	1.1
Sarasota												1		1	0.4	0.0
Seminole												1		1	0.5	0.7
Sumter															0.0	0.0
Suwanee															0.0	0.0
Taylor															0.0	0.0
Union															0.0	3.2
Volusia	2								1					3	1.0	1.1
Wakulla															0.0	3.0
Walton		1												1	4.1	3.0
Washington															0.0	2.2
STATE TOTAL	5	6	1	4	1	1	1	1	1	2	1	4	0	28	0.3	0.5

*1981-1983 Average rate

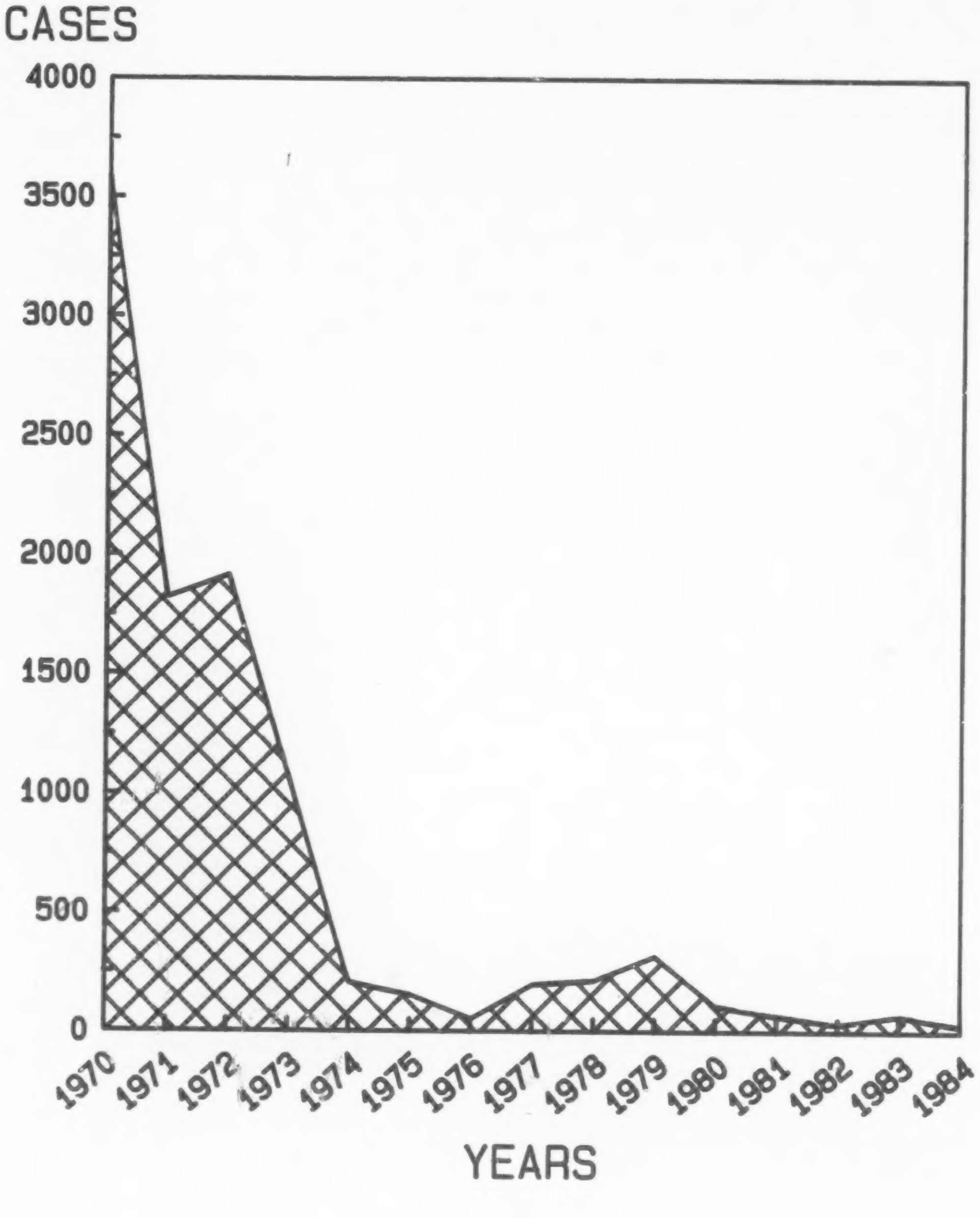
RUBELLA - REPORTED CASES BY
MONTH OF ONSET, FLORIDA, 1984



RUBELLA - REPORTED CASE RATES BY
AGE GROUP, FLORIDA, 1984



RUBELLA CASES REPORTED
FLORIDA, 1970-1984



SECTION 4:

Analysis of Animal Rabies & Zoonotic Diseases

Prepared by Epidemiology Program
William J. Bigler, Ph.D., Deputy State Epidemiologist

ANIMAL RABIES

Of the 5,416 animal specimens examined in 1984, 149 (2.8%) had positive flourescent rabies antibody (FRA) tests (Table 2). This represents an 11.4% increase from the total number of cases reported in 1983.

Rabies positive animals were identified in 31 counties compared to 34 counties in 1983 (Table 3). Urban outbreaks of raccoons occurred in Leon, Orange, and Polk counties. In 1984, 92 (61.7%) of the total number of cases occurred in raccoons and 8.8% of all raccoons examined had positive FRA tests. A substantial number of bats (48) were also found positive for rabies throughout North Florida and in those counties experiencing outbreaks of raccoon rabies.

Only two cases of rabies occurred in domestic animals, one cat and one dog, as compared to 1983 when two cats, one dog, and one cow were reported positive.

TABLE 1

ANIMAL RABIES - Laboratory confirmed cases by species, Florida, 1975–1984

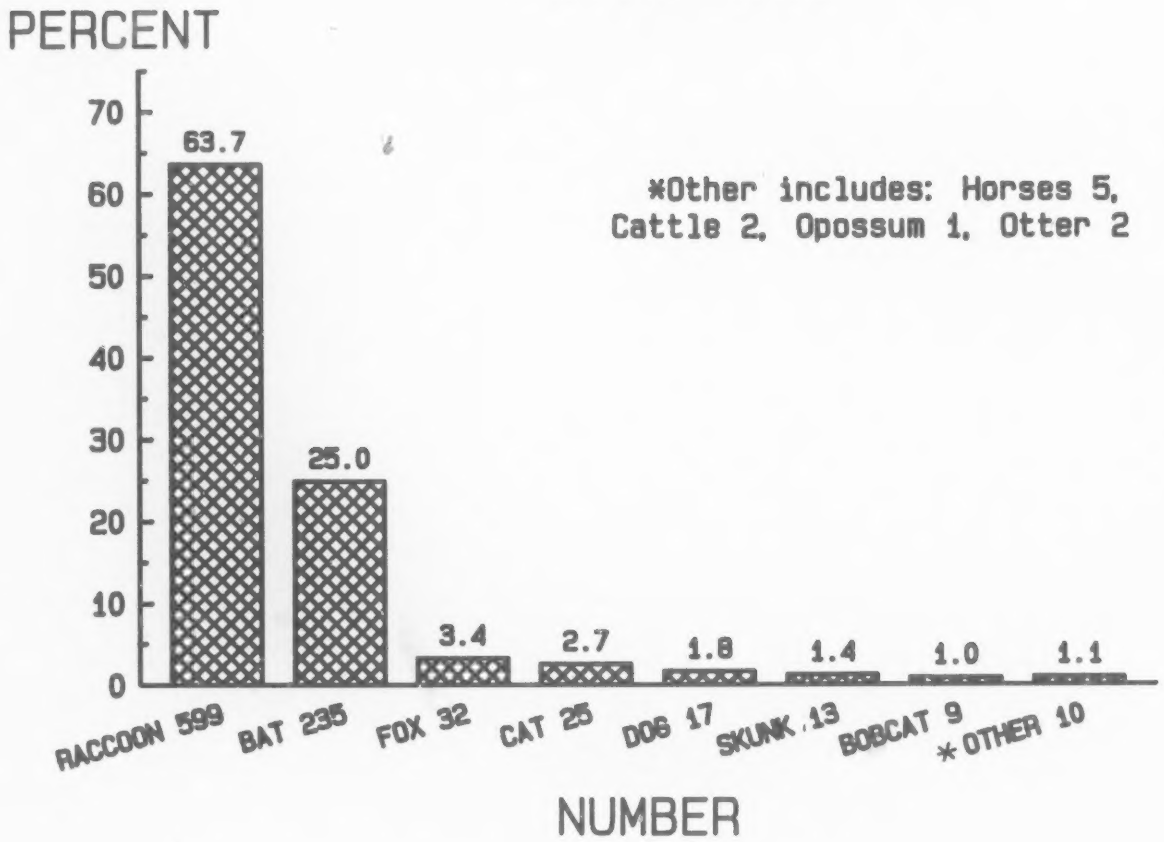
ANIMAL SPECIES	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
BAT	48	69	18	17	9	10	8	16	38	2
BOBCAT	2	1	0	0	2	0	2	1	1	0
CAT	1	2	1	7	3	5	1	2	3	0
CATTLE	0	1	0	0	1	0	0	0	0	0
DOG	1	1	2	1	4	3	1	1	1	2
EXOTIC ANIMALS	0	0	0	0	0	0	0	0	0	0
FOX	3	0	6	7	3	5	1	3	4	0
HORSE	0	0	0	1	1	1	0	0	0	2
LAGOMORPHS (includes rabbit, hare & pika)	0	0	0	0	0	0	0	0	0	0
OPOSSUM	0	0	0	1	0	0	0	0	0	0
OTTER	1	0	0	0	0	0	0	1	0	0
RACCOON	92	56	51	79	84	54	33	69	51	30
RODENTS (includes mice, hamsters, guinea pigs, gerbils, squirrels, rats)	0	0	0	0	0	0	0	0	0	0
SKUNK	1	1	2	3	3	1	1	0	0	1
STATE TOTAL	149	131	80	116	110	79	47	93	98	37

TABLE 2

RABIES - LABORATORY CONFIRMED CASES AND SPECIMENS EXAMINED, FLORIDA, 1984

Species	Number Examined	Number and Percent ( ) Positive	Percent of All Species Examined (N=5,416)	Percent of All Positive (N=149)
Dog	1,029	1 (0.10)	19.00	0.67
Cats	1,479	1 (0.07)	27.31	0.67
	2,508	2 (0.08)	46.31	1.34
Raccoons	1,047	92 (8.79)	19.33	61.75
Bats	609	48 (7.88)	11.24	32.22
Skunks	95	1 (1.05)	1.75	0.67
	1,751	141 (8.05)	32.32	94.64
Fox	95	3 (3.16)	1.75	2.01
Bobcat	10	2 (20.00)	0.19	1.34
Other Wild	373	1 (0.27)	6.89	0.67
	478	6 (1.26)	8.83	4.02
Cattle	16	0 (0.00)	0.30	0.00
Horse	27	0 (0.00)	0.50	0.00
Other Domestic	12	0 (0.00)	0.22	0.00
	55	0 (0.00)	1.02	0.00
Rodents & Lagomorphs	621	0 (0.00)	11.47	0.00
Humans	3	0 (0.00)	0.06	0.00
TOTAL ALL SPECIES	5,416	149 (2.75)	100.01	100.00

ANIMAL RABIES
FLORIDA, 1975-1984
TOTAL 940



*Other includes: Horses 5, Cattle 2, Opossum 1, Otter 2

TABLE 3

ANIMAL RABIES - Reported laboratory confirmed cases, by county, Florida, 1975–1984

County	1984	1983	1982	1981	1980	1979*	1978*	1977*	1976	1975
Alachua			2	4	9	5	2	3	4	
Baker		2			1					1
Bay	2	1	1	2		3	1	2	3	
Bradford			1		2					
Brevard	3	5	1			2		2	8	1
Broward	1			1				1		
Calhoun				1	2					
Charlotte						1		1	1	
Citrus	1	1	1					3	1	1
Clay		5	1	1				1	1	1
Collier				1		2	2	3		
Columbia	2		3	4	4	2	1	3	3	
Dade			1		1		1	2	1	
DeSoto			1			1		1	1	
Dixie				1						
Duval	4	22	4	6	9	4	2	3	7	1
Escambia	7	19	2	1	1					
Flagler				3	1	1				3
Franklin	1		1							
Gadsden	4	5	1	3	1	4	1		3	
Gilchrist					1				1	
Glades										
Gulf	1						1			1
Hamilton		1	1	2	1	1	1	3	2	
Hardee		3		2	2	3		2		
Hendry										1
Hernando	1	1	2							
Highlands				1	2					
Hillsborough	1	3	1	3	2	5	6	5	11	3
Holmes	5	3		5	3	2			3	2
Indian River		1							1	
Jackson	3	3	2	7	1	3	1	2	3	1
Jefferson	4	2		2	4	2			1	1
Lafayette					4	1				
Lake		1	3	3	3	2				1
Lee		1	2	7	2	3				1
Leon	27	13	12		13	5	3	2	3	3
Levy			1			1	1	1		
Liberty										
Madison	1		2	3	3		2	1	3	
Manatee				2	1	2	1			2
Marion	1	6	1	7	4	5		9	1	1
Martin	1	2								
Monroe										
Nassau			4		1	1		2	5	2
Okaloosa	5	4	1	1	2	2	1	2		
Okeechobee		1								
Orange	21	1	3	1	1	1	1	3	9	2
Osceola			2				2	1	1	
Palm Beach			2	1	1					
Pasco		1	1							
Pinellas										
Polk	33	9	3	10	2		1	2	1	
Putnam	1	1	2	3	2	1		2	1	1
St. Johns	1	1	2	2			5	3	1	2
St. Lucie			2							
Santa Rosa	2	3	2						1	
Sarasota	1	3			5	2	5	21	4	1
Seminole	8	3	1	1	1	1	1	1	5	
Sumter								1		
Suwannee				14	3	2		2		
Taylor			1	1	1		1			
Union		-								
Volusia	1	1	3	7	7	3		2	6	1
Wakulla	1				1	2	1			
Walton	2	2	2	3	3	2	1	1	2	2
Washington	3	1	2		3	2	2			1
STATE TOTAL	149	131	80	116	110	79	47	93	98	37

*Revised

TABLE 4

ANIMAL RABIES - LABORATORY CONFIRMED CASES, BY COUNTY, BY SPECIES, BY MONTH OF REPORT, FLORIDA, 1984

County	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alachua													
Baker													
Bay									1 Bat	1 Fox			2
Bradford													
Brevard	1 Bobcat		1 Bat				1 Bat						3
Broward				1 Bat									1
Calhoun													
Charlotte													
Citrus	1 Rac												1
Clay													
Collier													
Columbia	1 Bat								1 Bat				2
Dade													
DeSoto													
Dixie													
Duval	1 Rac			1 Bat					1 Bat	1 Bat			4
Escambia		1 Bat	1 Bat		1 Bat			1 Bat	1 Bat	1 Bat		1 Bat	7
Flagler													
Franklin	1 Rac												1
Gadsden				1 Bat 2 Rac					1 Rac				4
Gilchrist													
Glades													
Gulf				1 Rac									1
Hamilton													
Hardee													
Hendry													
Hernando								1 Rac					1
Highlands													
Hillsborough						1 Bat							1
Holmes					1 Rac	1 Rac	1 Rac		1 Rac		1 Rac		5
Indian River													
Jackson								1 Rac			1 Rac	1 Rac	3
Jefferson				2 Rac								2 Rac	4
Lafayette													
Lake													
Lee													
Leon	1 Rac		2 Bat 2 Rac	2 Rac	1 Bat 3 Rac	1 Fox 2 Rac	3 Rac	1 Bat			6 Rac	3 Rac	27
Levy													
Liberty													
Madison							1 Rac						1
Manatee													
Marion												1 Rac	1
Martin								1 Bat					1
Monroe													
Nassau													
Okaloosa					1 Skunk		1 Bat	1 Rac	1 Bat	1 Fox			5
Okeechobee													
Orange		1 Bobcat				1 Rac		5 Rac	2 Bat 1 Rac	7 Rac	1 Cat 3 Rac		21
Osceola													
Palm Beach													
Pasco													
Pinellas													
Polk	1 Otter 3 Rac	2 Rac		2 Rac	1 Bat		1 Bat 1 Rac	5 Bat 1 Rac	8 Bat 3 Rac	4 Rac	1 Rac		33
Putnam					1 Bat								1
St. Johns	1 Rac												1
St. Lucie													
Santa Rosa				1 Rac				1 Bat					2
Sarasota									1 Bat				1
Seminole		1 Rac	1 Bat	1 Rac				1 Bat	1 Bat 1 Rac		2 Rac		8
Sumter													
Suwannee													
Taylor													
Union													
Volusia	1 Rac												1
Wakulla												1 Rac	1
Walton					1 Rac	1 Dog							2
Washington										1 Rac	2 Rac		3
TOTAL	12	5	7	14	10	7	9	19	24	16	17	9	149

ZOONOTIC DISEASES

Brucellosis

Thirteen cases of brucellosis were reported in 1984 compared with a mean of 10.2 cases for the previous 5 years (1979-1983). Cases were reported throughout the year with over half (7) diagnosed between January and April. Two cases each occurred in Alachua, Lee, and Duval counties with one case each in Polk, Palm Beach, Dade, Hendry, Manatee, Marion, and Brevard counties. All except one were males, with 6 in the 20-29 age group, 4 in the 30-39 age group, 1 in the 40-49 age group, 1 in the 50-59 age group, and one age unknown. Of the 9 cases whose exposures were studied, 2 were employed as meat cutters, 2 had hunted wild hogs, 1 was a farmer, 2 had occasional contact with pigs or cattle, 1 was a veterinary student, and 1 was an agricultural inspector.

Leptospirosis

Two cases of leptospirosis were reported in 1984 compared with a mean of 9.4 cases for the previous 5 years (1979-1983). Cases were reported in July and September. Cases occurred in Hillsborough and Duval counties. Both cases were male, 13 and 34 years of age. Probable sources of exposure were not determined.

Psittacosis

Three cases of psittacosis were reported in 1984 compared to a mean of 2.4 cases for the previous 5 years (1979-1983). All were females between the ages of 15 and 31. One kept pet turkeys and another kept pet parrots. Exposure of the third case was not identified.

Rocky Mountain Spotted Fever

Two cases of Rocky Mountain Spotted Fever were reported during 1984 as compared with a mean of 8.2 cases reported during the previous five years (1979-1983). These occurred in March and June in Palm Beach and Polk counties. Both cases were white females, 5 and 74 years of age. Both cases had been exposed to ticks.

ZOONOTIC DISEASES - Reported cases by disease, by county, Florida, 1984

DISEASES

	BRUCELLOSIS	LEPTOSPIROSIS	PSITTACOSIS	ROCKY MOUNTAIN SPOTTED FEVER
Alachua	2			
Baker				
Bay				
Bradford				
Brevard	1			
Broward				
Calhoun				
Charlotte				
Citrus				
Clay				
Collier				
Columbia				
Dade	1		1	
DeSoto				
Dixie				
Duval	2	1		
Escambia				
Flagler				
Franklin				
Gadsden				
Gilchrist				
Glades				
Gulf				
Hamilton				
Hardee				
Hendry	1			
Hernando				
Highlands				
Hillsborough		1		
Holmes				
Indian River				
Jackson				
Jefferson				
Lafayette				
Lake				
Lee	2			
Leon				
Levy				
Liberty				
Madison				
Manatee	1			
Marion	1			
Martin				
Monroe				
Nassau				
Okaloosa				
Okeechobee				
Orange				
Osceola				
Palm Beach	1			1
Pasco			1	
Pinellas				
Polk	1		1	1
Putnam				
St. Johns				
St. Lucie				
Santa Rosa				
Sarasota				
Seminole				
Sumter				
Suwannee				
Taylor				
Union				
Volusia				
Wakulla				
Walton				
Washington				
STATE TOTAL	13	2	3	2

SECTION 5:

SUMMARY OF ACQUIRED IMMUNE DEFICIENCY SYNDROME

Prepared by the AIDS Program
Joyner Sims, Ph.D., Program Administrator

AIDS

By 1984, the State Health Office was actively involved in AIDS surveillance. Cases of AIDS were routinely reported on a standard form developed by the Centers for Disease Control in 1983. Only those cases meeting the definition were reported. That is, a person had to be reliably diagnosed with a disease that was at least moderately indicative of an underlying cellular immunodeficiency. Sociodemographic and risk factor information were also collected on persons reported.

Morbidity

As of December 31, 1984 a total of 714 cases of AIDS were reported to the Florida Department of Health and Rehabilitative Services with onset of illness occurring from 1980 through 1984. Of these, 5 cases were diagnosed in 1980 as having an opportunistic disease associated with AIDS, 16 cases were diagnosed in 1981, 81 in 1982, 210 in 1983, and 402 in 1984.

Age, Race, and Sex

The distribution of AIDS cases in Florida by age group is shown in Table 1. For those diagnosed in 1984, the greatest number of cases occurred in the 30-39 year age group (44%), followed by those 25-29 years of age (21%), and those aged 40-49 years (17%). Eleven pediatric cases (<13 years of age) were diagnosed during this time period. Of these, 5 (45%) were under the age of one.

Of the total adult cases (391) diagnosed in 1984, 343 (88%) were male, and 48 (12%) were female. For all cases diagnosed in 1984, 164 (41%) were white, 178 (44%) were black, 59 (15%) were Hispanic, and one was other (Table 2).

Risk Category

Data by risk category for the cases diagnosed in 1984 are shown in Table 3. The greatest proportion of adult cases were identified as homosexual or bisexual men (54%), followed by intravenous drug users (19%). Heterosexual contact was the next most frequent mode of transmission, accounting for 68 (17%) of the adult cases reported. Among the 11 pediatric cases, 9 (82%) had a parent with AIDS or at risk for AIDS, and 2 (18%) acquired the disease through blood transfusions.

Disease Group

In 1984, the greatest proportion of cases were diagnosed with Pneumocystis carinii pneumonia (PCP), accounting for 54% of the total. The second most common opportunistic disease was Kaposi's Sarcoma (KS), which accounted for 13%. The remainder (34%) were diagnosed with other opportunistic infections without PCP (Table 4).

Geographic Distribution

Dade County accounted for the majority of cases diagnosed in 1984 with a total of 188 (47%), followed by the counties of Broward and Palm Beach which reported 58 (14%) and 57 (14%), respectively. A total of 27 counties throughout the state had at least one case of diagnosed AIDS during this time period (Table 5), however, the majority (79%) were residents of South Florida at onset of illness (Districts IX, X, or XI).

TABLE 1

Reported AIDS cases by age group, Florida, 1984

Age	Number (%)
< 1	5 (1)
1 - 4	6 (1)
5 - 9	0 (0)
10 - 14	0 (0)
15 - 19	1 (0)
20 - 24	25 (6)
25 - 29	86 (21)
30 - 39	175 (44)
40 - 49	67 (17)
50 - 59	28 (7)
60+	9 (2)
TOTAL	402 (100)

TABLE 2

Reported AIDS cases by race/ethnicity, Florida, 1984

Race/Ethnicity	Adult/ Adolescent Cases (%)	Pediatric Cases (%)	Total Cases (%)
White, Not Hispanic	163 (42)	1 (9)	164 (41)
Black, Not Hispanic	169 (43)	9 (82)	178 (44)
Hispanic	58 (15)	1 (9)	59 (15)
Other	1 (0)	0 (0)	1 (0)
Unknown	0 (0)	0 (0)	0 (0)
TOTAL	391 (100)	11 (100)	402 (100)

TABLE 3

Reported AIDS cases by patient group, Florida, 1984

Patient Groups	Adult/Adolescent Males (%)	 Females (%)	 Total (%)
Homosexual or Bisexual Men	213 (62)	0 (0)	213 (54)
Intravenous (IV) Drug User	51 (15)	22 (46)	73 (19)
Homo/Bi IV Drug User	21 (6)	0 (0)	21 (5)
Hemophiliac	2 (1)	0 (0)	2 (1)
Heterosexual contact	49 (14)	19 (40)	68 (17)
Transfusion with blood/products	2 (1)	3 (6)	5 (1)
None of the Above / Other	5 (1)	4 (8)	9 (2)
Total	343 (100)	48 (100)	391 (100)

Patient Groups	Pediatric Males (%)	 Females (%)	 Total (%)
Hemophiliac	0 (0)	0 (0)	0 (0)
Parent at risk/has AIDS/HIV	5 (71)	4 (100)	9 (82)
Transfusion with blood/products	2 (29)	0 (0)	2 (18)
None of the Above / Other	0 (0)	0 (0)	0 (0)
Total	7 (100)	4 (100)	11 (100)

TABLE 4

Reported AIDS cases by disease category, Florida, 1984

Disease Category	Adult/Adolescent		Pediatric	
	Cases (%)	Deaths (%)	Cases (%)	Deaths (%)
PCP	211 (54)	175 (83)	5 (45)	5 (100)
Other Disease w/o PCP	130 (33)	97 (75)	5 (45)	4 (80)
KS Alone	50 (13)	27 (54)	1 (9)	1 (100)
Total	391 (100)	299 (76)	11 (100)	10 (91)

Disease Category	Total	
	Cases (%)	Deaths (%)
PCP	216 (54)	180 (85)
Other Disease w/o PCP	135 (34)	101 (75)
KS Alone	51 (13)	28 (55)
Total	402 (100)	309 (77)

TABLE 5

Reported AIDS cases by County of Residence at Onset of Illness, Florida, 1984

District / County		Number	(%)
I	Escambia	1	(0.25)
II	Bay	1	(0.25)
	Gadsden	1	(0.25)
	Leon	5	(1.24)
III	Alachua	1	(0.25)
	Columbia	1	(0.25)
	Hernando	1	(0.25)
	Levy	1	(0.25)
	Marion	2	(0.50)
	Putnam	1	(0.25)
IV	Duval	9	(2.24)
	Volusia	4	(1.00)
V	Pinellas	5	(1.24)
VI	Hillsborough	14	(3.48)
	Manatee	3	(0.75)
	Polk	1	(0.25)
VII	Brevard	2	(0.50)
	Orange	10	(2.49)
	Seminole	2	(0.50)
VIII	Collier	2	(0.50)
	Lee	6	(1.49)
	Sarasota	6	(1.49)
IX	Indian River	1	(0.25)
	Palm Beach	57	(14.18)
X	Broward	58	(14.43)
XI	Dade	188	(46.77)
	Monroe	12	(2.99)
Department of Corrections		6	(1.49)
Unknown		1	(0.25)
TOTAL		402	(100.0)

SECTION 6:

SUMMARY OF SEXUALLY TRANSMITTED DISEASES

Prepared by Sexually Transmitted Disease Program
Jack E. Wroten, Program Supervisor

SYPHILIS

Morbidity Trends

In 1984, 8,314 reports of syphilis represented a 90 case or 1.1% decrease over 8,404 cases reported in 1983. This still represents an 89.6% increase over 1980 when 4,384 cases were reported. Since 1980, significant increases have occurred for all stages of syphilis (89.6% overall); primary and secondary (71.7%), early latent (163.8%), late and late latent (50.9%), and congenital (900.0%).

Despite a rise in population of 1,201,355 between 1980 and 1984, the rate per 100,000 for all stages of syphilis jumped from 44.7 to 75.5 (see chart below).

Year	Population	Total Syphilis		Primary & Secondary		Early Latent		Late & Late Latent		Congenital	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
1984	11,015,061	8314	75.5	3876	35.2	2812	25.5	1596	14.5	30	0.27
1983	10,645,793	8404	79.0	4179	39.3	2501	23.5	1699	16.0	25	0.24
1982	10,555,498	7936	75.2	4149	39.3	1884	17.9	1895	18.0	8	0.08
1981	10,108,564	5971	59.1	3036	30.3	1376	13.6	1552	15.4	7	0.07
1980	9,813,706	4384	44.7	2257	23.0	1066	10.9	1058	10.8	3	0.03

The majority (64.1%) of the 3,8769 cases of primary and secondary syphilis were reported in persons 15 to 29 years old. Those 15 to 19 accounted for 13.1% (506 cases); those 20 to 24, for 28.5% (1,105 cases); and those 25 to 29 for 22.6% (875 cases).

Closer analysis of the cases reported in 1984 shows that 6,688 (80.4%) were early and that 3,876 (46.6%) of these were infectious. Only 725 (18.7%) of the infectious cases and 452 (16.1%) of the early latent cases were reported by private health care providers. Males accounted for 4,022 (60.1%) of the early reports for a male to female ratio of 1:1.8. Black males comprise the majority (50.5%) of infectious cases and black females represent 30.9% of the infectious cases. White males, however, only accounted for 593 (15.3%) of the infectious cases; only 131 (3.3%) of white females were reported with infectious disease.

There were thirty reported cases of congenital syphilis this year. The vast majority of these cases were reported from Dade (15 cases) and Broward (6 cases) counties, accounting for 70% of the state total. With proper prenatal care, these cases could have been prevented.

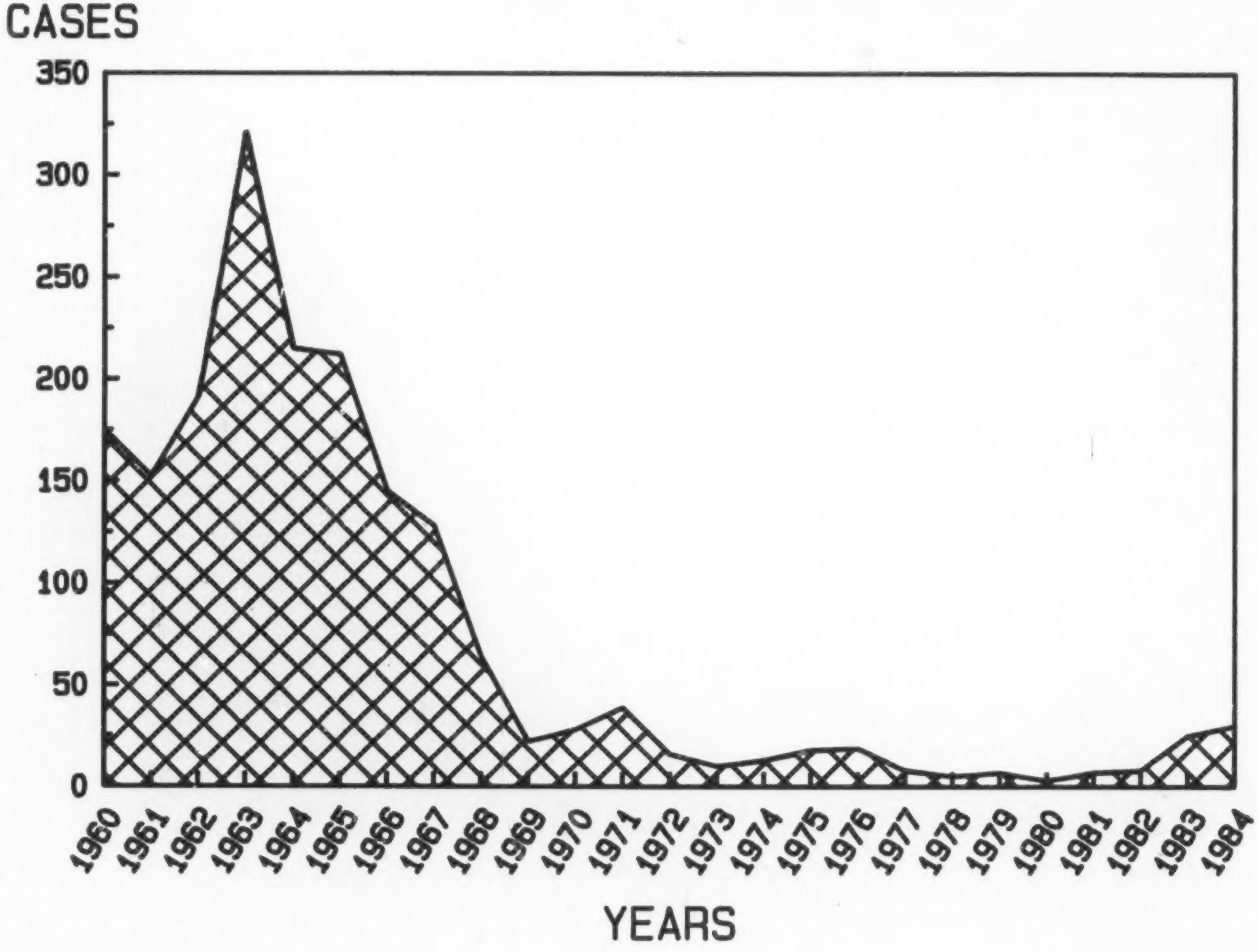
Primary & Secondary SYPHILIS - Reported Cases
By County, Florida, 1983-1984

	1984	1983	%Change		1984	1983	%Change
Alachua	21	57	-63.2	Lee	103	99	+4.0
Baker	1	0	*	Leon	75	78	-3.8
Bay	14	9	+55.6	Levy	1	4	-75.0
Bradford	2	5	-60.0	Liberty	1	0	*
Brevard	66	70	-5.7	Madison	2	0	*
Broward	427	390	+9.5	Manatee	44	30	+46.7
Calhoun	6	8	-25.0	Marion	17	37	-54.1
Charlotte	9	3	+200.0	Martin	15	25	-40.0
Citrus	1	1	-	Monroe	5	26	-80.8
Clay	4	4	-	Nassau	3	5	-40.0
Collier	78	44	+77.3	Okaloosa	2	4	-50.0
Columbia	11	24	-54.2	Okeechobee	5	3	+66.7
Dade	1235	1429	-13.6	Orange	211	218	-3.2
DeSoto	9	5	+80.0	Osceola	3	8	-62.5
Dixie	0	0	-	Palm Beach	209	214	-2.3
Duval	163	220	-25.9	Pasco	21	16	+31.3
Escambia	90	97	-7.2	Pinellas	176	165	+6.7
Flagler	1	0	*	Polk	62	75	-17.3
Franklin	0	0	-	Putnam	5	16	-68.8
Gadsden	19	53	-64.2	St. Johns	7	10	-30.0
Gilchrist	0	0	-	St. Lucie	45	83	-45.8
Glades	0	1	-100.0	Santa Rosa	3	3	-
Gulf	0	0	-	Sarasota	101	37	+173.0
Hamilton	2	4	-50.0	Seminole	47	41	+14.6
Hardee	11	9	+22.2	Sumter	3	1	+200.0
Hendry	5	4	+25.0	Suwannee	2	10	-80.0
Hernando	1	3	-66.7	Taylor	9	7	+28.6
Highlands	30	25	+20.0	Union	1	0	*
Hillsborough	373	381	-2.1	Volusia	24	18	+33.3
Holmes	0	1	-100.0	Wakulla	4	3	+33.3
Indian River	18	31	-41.9	Walton	1	1	-
Jackson	10	7	+42.9	Washington	0	3	-100.0
Jefferson	2	6	-66.7				
Lafayette	0	0	-	Institutions	22	19	+15.8
Lake	38	29	+31.0				
				STATE TOTAL	3876	4179	-7.3

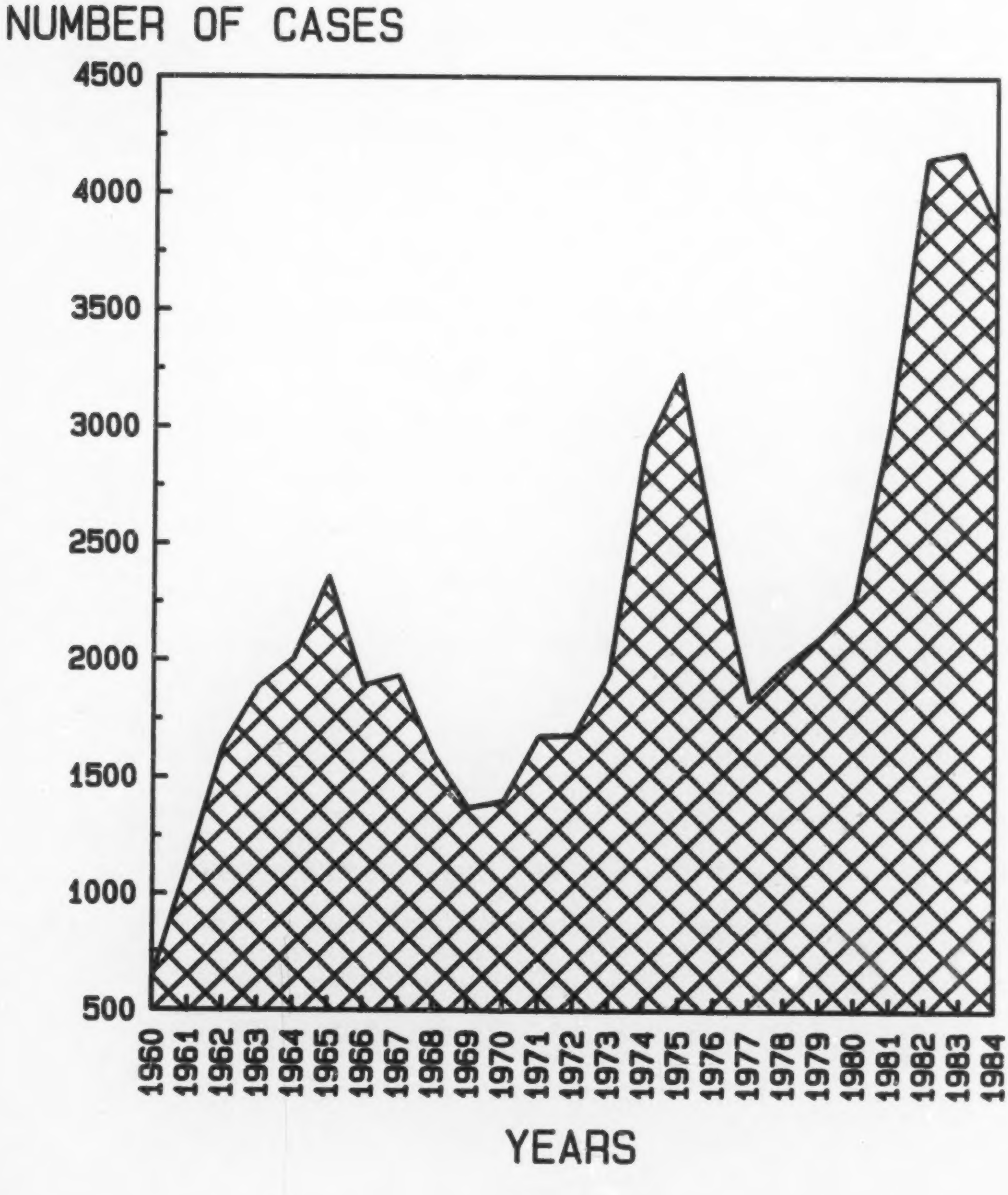
(-) Indicates no change in morbidity from prior period
(*) Indicates percent change calculation cannot be made.

CONGENITAL SYPHILIS, REPORTED CASES

FLORIDA, 1960-1984



PRIMARY & SECONDARY SYPHILIS
REPORTED CASES FLORIDA, 1960-1984



GONORRHEA

Morbidity Trends

In 1984, there were 51,212 cases of gonorrhea reported in Florida, a 4.1% decrease since 1983. That number is 14,225 less than 1980 (21.7% decrease). Gonorrhea cases in Florida have remained above the 60,000 case level since 1977 and have only recently dropped below this mark in 1983 and again in 1984. Cases reported between 1978 and 1984 have ranged from a high of 65,437 in 1980 to the current low of 51,212 in 1984. Only this year, 1983, and 1981 show a decrease from the previous year. The encouraging aspect about reported gonorrhea since 1977 is that rates per 100,000 population have steadily declined. This, of course, is due to vigorous growth in population which on the average has increased approximately 240,271 per year for the past five years. The screening program to detect asymptomatic females has also had an impact on the rate.

While gonorrhea cases may be decreasing statewide, those that are penicillin resistant certainly are not nor have they been since 1980. Penicillinase-producing Neisseria gonorrhoeae (PPNG) has steadily increased over the past four years from 15 cases in 1980 to 1,593 cases in 1984. Despite vigorous efforts to control its incidence, 1984 cases rose 27.1% over 1983. The top three counties with PPNG infection are Dade (760 cases), Broward (239 cases) and Palm Beach (204 cases). Together these counties represent 75.5% of the PPNG in Florida.

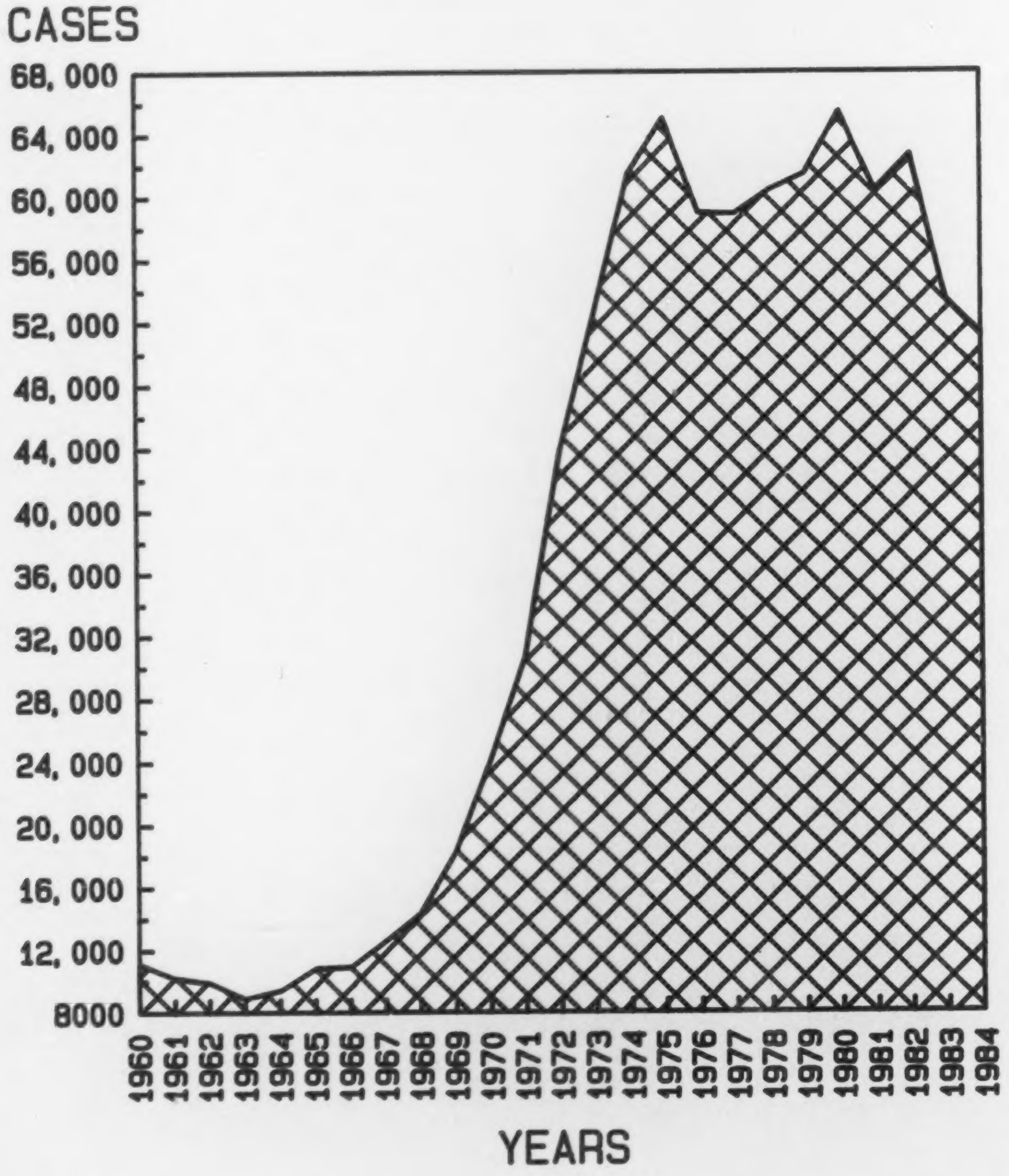
In 1984, 20,262 women were reported with gonorrhea in Florida, and 10.8% were found to have gonococcal pelvic inflammatory disease (GPID). Specifically, there were 2,196 cases reported in 1984. This represents a 4.1% decrease over 2,290 cases reported in 1983. Priorities continue to be maintained in detecting young females diagnosed with GPID and identifying sex contacts for referral, examination, and treatment. During 1984, 30,950 men (60.4% of total cases) were reported with gonorrhea in Florida. The typical infected male is between 20 and 29 years of age (60.2% of total males), black (68.3% of total males), heterosexual, and resides in the intercity neighborhoods, where morbidity is traditionally highest in Florida.

GONORRHEA - Reported Cases By County, Florida, 1983-1984

	1984	1983	%Change
Alachua	1022	1158	-11.7
Baker	23	62	-62.9
Bay	742	703	+5.5
Bradford	59	60	-1.7
Brevard	855	1083	-21.1
Broward	4678	4314	+8.4
Calhoun	8	13	-38.5
Charlotte	40	34	+17.6
Citrus	55	78	-29.5
Clay	170	112	+51.8
Collier	535	421	+27.1
Columbia	232	251	-7.6
Dade	7143	7816	-8.6
DeSoto	241	309	-22.0
Dixie	45	69	-34.8
Duval	5587	5959	-6.2
Escambia	2191	1945	+12.6
Flagler	35	26	+34.6
Franklin	9	6	+50.0
Gadsden	313	446	-29.8
Gilchrist	8	8	-
Glades	33	8	+312.5
Gulf	18	10	+80.0
Hamilton	85	64	+32.8
Hardee	108	107	+0.9
Hendry	46	64	-28.1
Hernando	180	161	+11.8
Highlands	184	241	-23.7
Hillsborough	4173	4994	-16.4
Holmes	9	16	-43.8
Indian River	493	250	+97.2
Jackson	68	90	-24.4
Jefferson	36	41	-12.2
Lafayette	16	3	+433.3
Lake	421	466	-9.7
Lee	1145	1164	-1.6
Leon	1809	1477	+22.5
Levy	35	52	-32.7
Liberty	5	4	-25.0
Madison	44	33	+33.3
Manatee	1391	1568	-11.3
Marion	490	598	-18.1
Martin	120	163	-26.4
Monroe	185	329	-43.8
Nassau	53	84	-36.9
Okaloosa	312	345	-9.6
Okeechobee	73	64	+14.1
Orange	3457	3391	+1.9
Osceola	225	102	+120.6
Palm Beach	2888	3099	-6.8
Pasco	272	253	+7.5
Pinellas	3545	3518	+0.8
Polk	1394	2031	-31.4
Putnam	137	135	+1.5
St. Johns	224	152	+47.4
St. Lucie	610	515	+18.4
Santa Rosa	60	118	-49.2
Sarasota	783	919	-14.8
Seminole	595	469	+26.9
Sumter	123	180	-31.7
Suwannee	76	68	+11.8
Taylor	48	96	-50.0
Union	69	66	+4.5
Volusia	1100	906	+21.4
Wakulla	14	21	-33.3
Walton	30	23	+30.4
Washington	37	37	-
Institutions	2	2	-
STATE TOTAL	51212	53370	-4.0

(-) Indicates no change in morbidity from prior period

GONORRHEA-CASES REPORTED
FLORIDA, 1960-1984



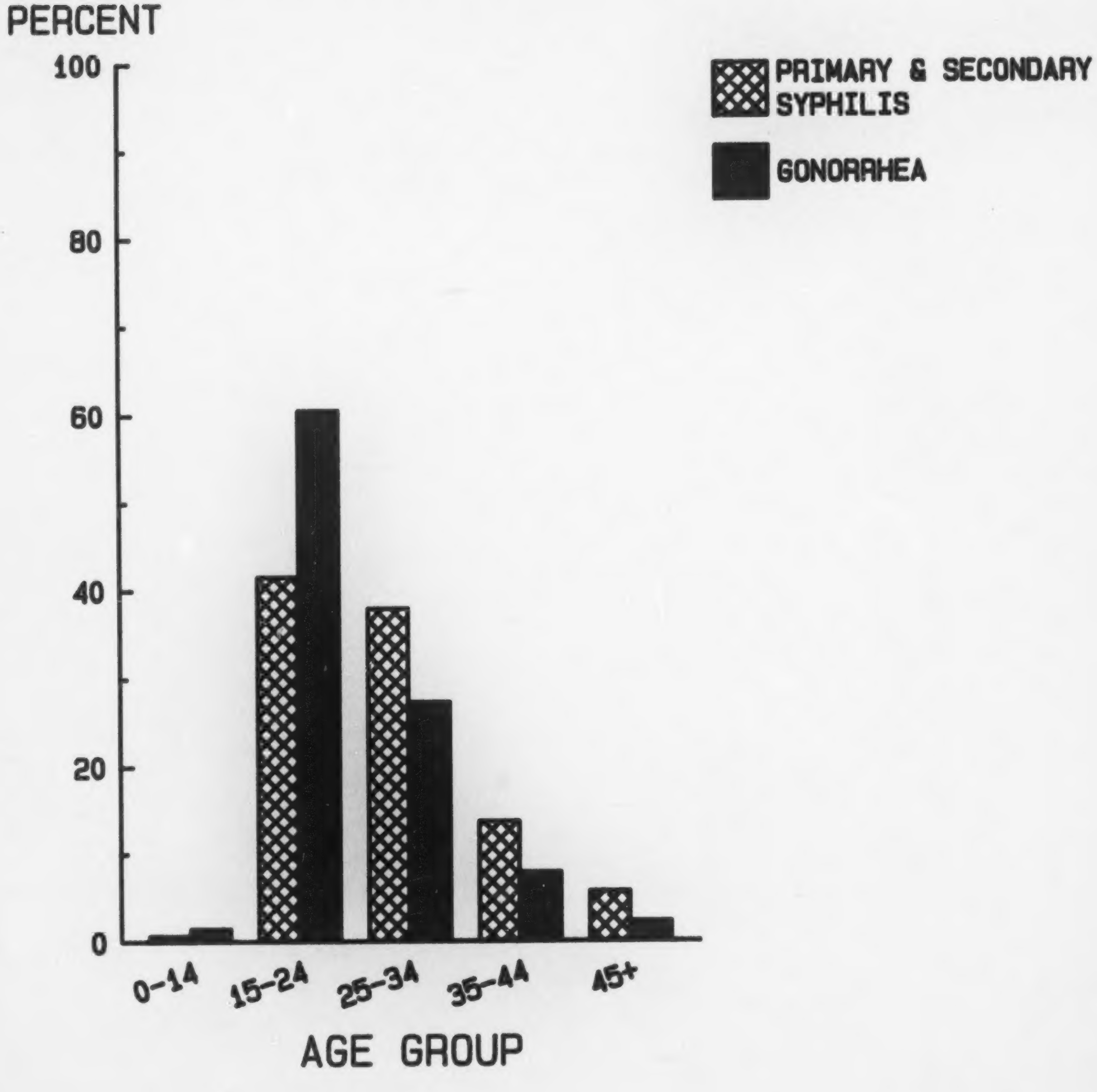
REPORTED SYPHILIS AND GONORRHEA CASES AND RATES
PER 100,000 POPULATION, FLORIDA, 1957 - 1984

Year	Population	Total Syphilis		Primary & Secondary		Early Latent		Late & Late Latent		Congenital		Gonorrhea	
		Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
1984	11,015,061	8,314	75.5	3,876	35.2	2,812	25.5	1,596	14.5	30	0.27	51,212	465.0
1983	10,645,793	8,404	79.0	4,179	39.3	2,501	23.5	1,699	16.0	25	0.24	53,370	501.7
1982	10,555,498	7,936	75.2	4,149	39.3	1,884	17.9	1,895	18.0	8	0.08	62,702	595.7
1981	10,108,564	5,971	59.1	3,036	30.0	1,376	13.6	1,552	15.4	7	0.07	60,354	597.0
1980	9,813,706	4,384	44.7	2,257	23.0	1,066	10.9	1,058	10.8	3	0.03	65,437	666.8
1979	9,294,250	4,567	49.1	2,099	22.6	1,297	14.0	1,164	12.5	7	0.08	61,427	660.9
1978	8,966,395	4,648	51.8	1,978	22.1	1,350	15.1	1,315	14.7	5	0.06	60,382	673.4
1977	8,717,334	4,543	52.1	1,828	21.0	1,957	22.4	750	8.6	8	0.1	58,843	675.0
1976	8,551,814	5,528	64.6	2,481	29.0	2,154	25.2	874	10.2	19	0.2	58,921	689.0
1975	8,485,230	6,328	74.6	3,228	38.0	1,981	23.3	1,101	13.0	18	0.2	65,031	766.4
1974	8,248,851	5,518	66.9	2,915	35.3	1,624	19.7	966	11.7	13	0.2	61,507	745.6
1973	7,845,100	4,339	55.3	1,946	24.8	1,227	15.6	1,156	14.7	10	0.1	52,582	670.3
1972	7,441,500	3,692	49.6	1,680	22.6	1,189	16.0	807	10.8	16	0.2	43,688	587.1
1971	7,024,600	3,651	52.0	1,675	23.8	1,156	16.5	781	11.1	39	0.6	30,659	436.5
1970	6,841,500	2,983	43.6	1,398	20.4	990	14.5	567	8.3	28	0.4	24,089	352.1
1969	6,651,400	3,147	47.3	1,368	20.6	868	13.0	889	13.4	22	0.3	18,257	274.5
1968	6,468,700	3,615	55.9	1,595	24.7	898	13.9	1,058	16.3	64	1.0	14,331	221.5
1967	6,287,000	4,378	69.6	1,933	30.7	861	13.7	1,456	23.2	128	2.0	12,563	199.8
1966	6,105,900	5,699	93.3	1,890	30.9	972	15.9	2,692	44.1	145	2.4	10,884	178.3
1965	5,924,700	6,132	103.5	2,356	39.8	1,037	17.5	2,527	42.6	212	3.6	10,803	182.3
1964	5,743,000	5,908	102.9	2,005	34.9	1,011	17.6	2,667	46.6	215	3.8	9,402	163.7
1963	5,560,100	6,945	124.9	1,883	33.8	999	18.0	3,742	67.3	321	5.8	8,867	159.5
1962	5,375,600	6,004	111.7	1,632	30.4	1,505	28.0	2,676	49.8	191	3.5	9,902	165.6
1961	5,188,900	5,324	102.6	1,118	21.6	1,561	30.0	2,493	48.0	152	2.9	10,215	196.9
1960	4,999,000	4,115	82.3	639	12.8	1,047	20.9	2,254	45.1	175	3.5	11,122	222.5
1959	4,790,000	4,332	90.4	344	7.2	916	19.1	2,875	60.0	197	4.1	11,172	233.2
1958	4,571,000	3,186	69.7	201	4.4	741	16.2	2,056	45.0	188	4.1	10,329	240.5
1957	4,245,000	5,514	129.9	213	5.0	1,068	25.2	3,971	93.5	262	6.2	9,725	229.1

* Beginning in 1978 the early latent syphilis category is limited to latent infections under 1 year's duration.
The infections over 1 year's duration are now classified as late and late latent.

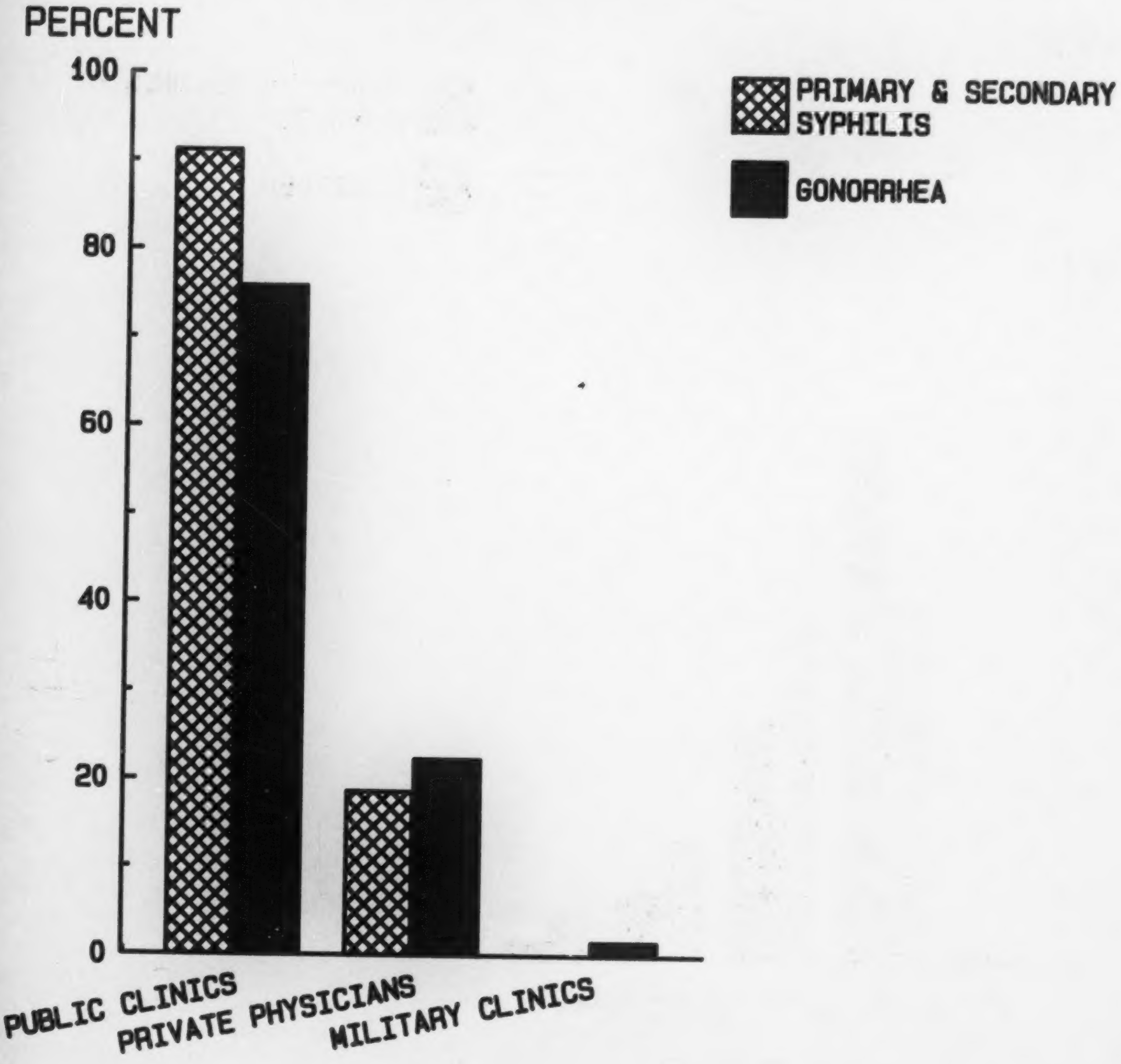
GONORRHEA & INFECTIOUS SYPHILIS CASES REPORTED BY AGE GROUP

FLORIDA, 1984



GONORRHEA & INFECTIOUS SYPHILIS CASES REPORTED BY SOURCE

FLORIDA, 1984



SECTION 7:

Summary of Tuberculosis

Prepared by Tuberculosis Control Program
Marianne B. McEuen, M.D., Acting Director

TUBERCULOSIS

Trends

Florida continues to have one of the highest tuberculosis case rates in the United States. Among the 50 states, Florida ranked 13th in 1984. There were 1,335 new cases of tuberculosis reported in Florida in 1984, representing an 8.4% decrease (122 cases) from the 1,457 cases in 1983. This was the largest annual decrease in the number of cases since 1975. The 1984 tuberculosis case rate of 12.2 per 100,000 population is an all-time low for Florida (Table 1). Since 1975, there has been a 24.1% decrease in the total number of cases reported.

Race, Sex, and Age

The distribution of reported cases by race and sex has continued virtually unchanged for the past several years. In 1984, the highest number of cases (298) occurred among non-white males, age 25-44 (Table 2). Although 46.2% of the 1,335 cases reported in 1984 occurred in the white population, the case rate of 40.3 for the non-white population is nearly 3 1/4 times the white population rate of 12.2 (Figure 1, Table 3). Males accounted for 70.7% of the new cases. Persons 25-64 years of age represented 64.5% of the reported cases and those 65 and older, 23.7%. Persons less than 25 years of age accounted for only 11.8% of the reported cases.

Case rates per 100,000 population by these same variables, presented in Table 2, also show higher rates occurred in the older age groups, in non-whites, and in males with the exception of non-white males ages 0-14, who had a lower case rate than non-white females, ages 0-14. With the exception of the very young, the non-white male in whom the case rate peaks prior to age 65, and the non-white female in whom the rate peaks prior to age 45, case rates increase with age, regardless of race or sex (Figure 2, Table 3). The difference in tuberculosis case rates among men and women becomes apparent after 25 years of age and progresses into a widening gap as the population grows older, with the highest rates occurring in the non-white males ages 45 to 64.

Bacteriologic Confirmation

Of the 1,335 cases reported in 1984, bacteriologic results were available at the time of report for 1,282 cases (96.0%). 1,210 cases (90.6%) were reported to have positive findings and 72 (5.4%) were negative. Bacteriologic results were not reported for 53 cases (4.0%) (Figure 3).

Site of Disease

Pulmonary tuberculosis accounted for 88.3% of reported cases in 1984, and extra-pulmonary disease accounted for 11.7% (Table 4). Since 1976, the decrease in the number of tuberculosis cases was almost entirely due to a reduction in pulmonary disease (Figure 4).

Geographic Distribution

Tuberculosis data for Florida, by HRS District and County, is presented in Table 5 and Figure 5. District VI reported the highest case rate (20.5 per 100,000 population) for 1984 with the lowest occurring in District III (8.0). Fourteen counties (Baker, Bradford, Calhoun, Clay, Dixie, Flagler, Gilchrist, Glades, Hamilton, Jefferson, Lafayette, Union, Wakulla, and Washington) did not report any cases in 1984. This is the third straight year that there were no cases reported in Calhoun and Glades counties and the second year that no cases were reported in Dixie and Hamilton counties. Gilchrist County has not reported a single case of tuberculosis since 1978. The majority of cases (64.0%) reported during 1984 were from eight large city/county areas (Dade, Duval, Broward, Hillsborough, Palm Beach, Polk, Orange and Pinellas). Forty two counties recorded rates below the state average of 12.2 and 37 counties had rates less than 10.0 per 100,000 population.

TABLE 1

TUBERCULOSIS - Reported Cases and Rates per 100,000 Population, United States and Florida, 1975-1984

	United States				Florida			
			Percent Change				Percent Change	
YEAR	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1975	33,989	15.9	----	----	1,758	21.0	----	----
1976	32,105	15.0	-5.5	-5.7	1,630	19.4	-7.3	-7.6
1977	30,145	13.9	-6.1	-7.3	1,674	19.8	+2.6	+2.0
1978	28,521	13.1	-5.4	-5.8	1,724	20.1	+2.9	+1.5
1979	27,669	12.6	-3.0	-3.0	1,628	18.4	-5.6	-8.5
1980	27,749	12.3	+0.3	-2.4	1,647	16.9	+1.2	-8.2
1981	27,373	11.9	-1.4	-3.3	1,553	15.3	-5.7	-9.5
1982	25,728	11.1	-6.1	-6.7	1,467	13.9	-5.5	-9.2
1983	23,846	10.2	-6.6	-8.1	1,457	13.9	-0.7	-0.9
1984	22,255	9.4	-9.0	-9.8	1,335	12.2	-8.4	-1.0

FIGURE 1

TUBERCULOSIS - REPORTED CASES BY AGE, RACE AND SEX, FLORIDA, 1984

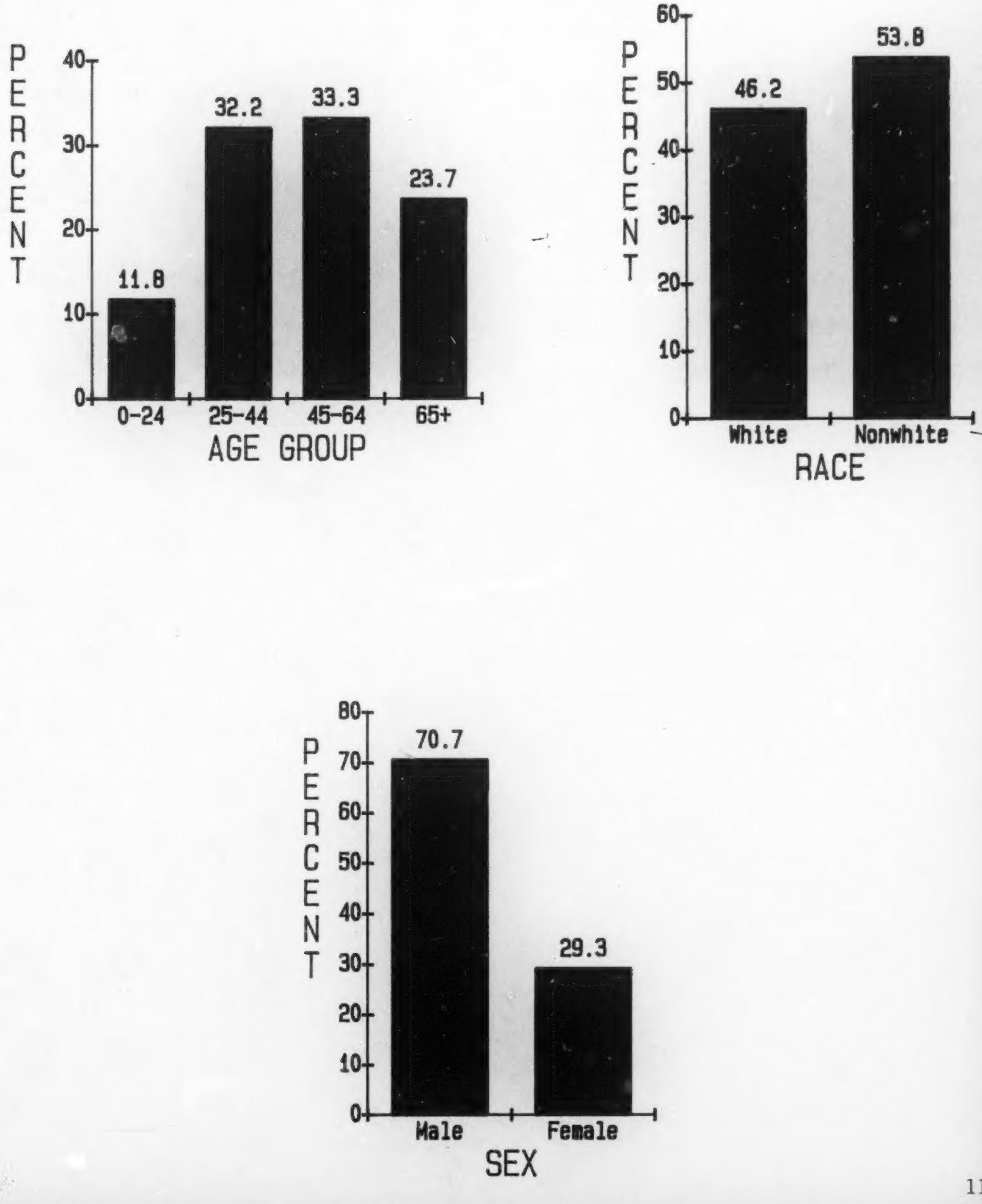


TABLE 2

TUBERCULOSIS - Reported Cases By Age, Race and Sex, Florida, 1984

AGE	TOTAL	WHITE			NON-WHITE		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
All Ages	1,335	617	440	177	718	504	214
0-4	33	8	5	3	25	11	14
5-14	24	8	7	1	16	6	10
15-24	100	21	12	9	79	42	37
25-44	430	132	90	42	298	200	98
45-64	431	207	161	46	224	188	36
65+	317	241	165	76	76	57	19

FIGURE 2

TUBERCULOSIS - Reported Case Rates By Age Groups, Florida, 1984

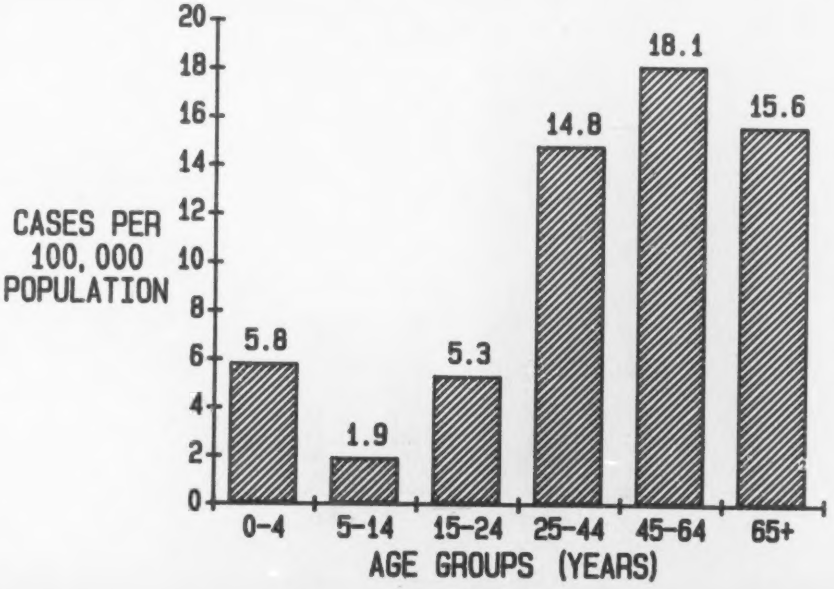


TABLE 3

TUBERCULOSIS - Reported Case Rates Per 100,000 Population By Age, Race and Sex, Florida, 1984

AGE	TOTAL	WHITE			NON-WHITE		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
0-4	5.8	2.0	2.4	1.5	15.4	13.3	17.5
5-14	1.9	0.9	1.5	0.2	5.1	3.8	6.5
15-24	5.3	1.4	1.6	1.2	19.7	21.3	18.1
25-44	14.8	5.5	7.5	3.5	59.1	84.0	36.9
45-64	18.1	9.8	16.4	4.0	85.6	158.9	25.1
65+	15.6	12.7	20.4	7.0	54.9	101.2	23.2
All Ages	12.2	6.7	10.0	3.7	40.3	59.2	23.0

FIGURE 3

TUBERCULOSIS - Reported Cases By Bacteriological Status At Time Of Report, Florida, 1984

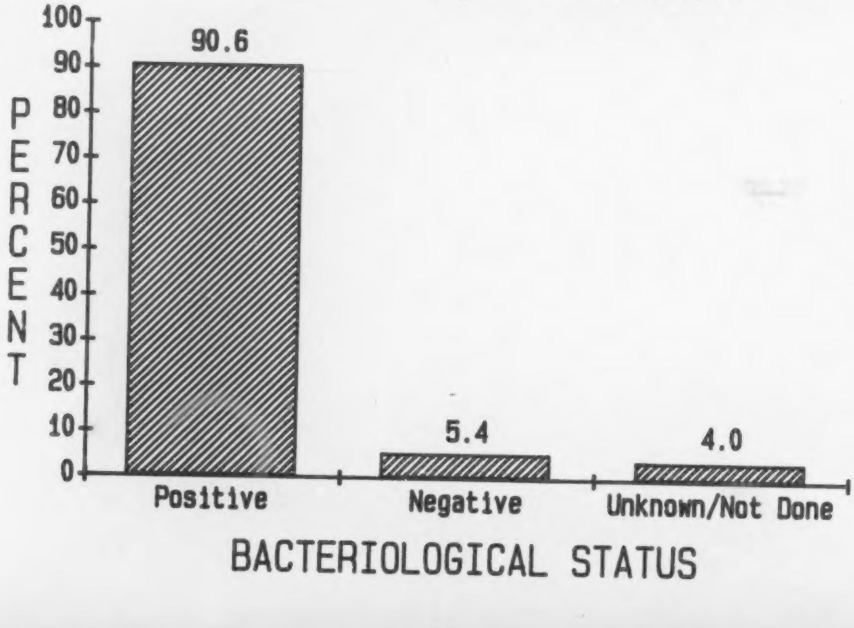


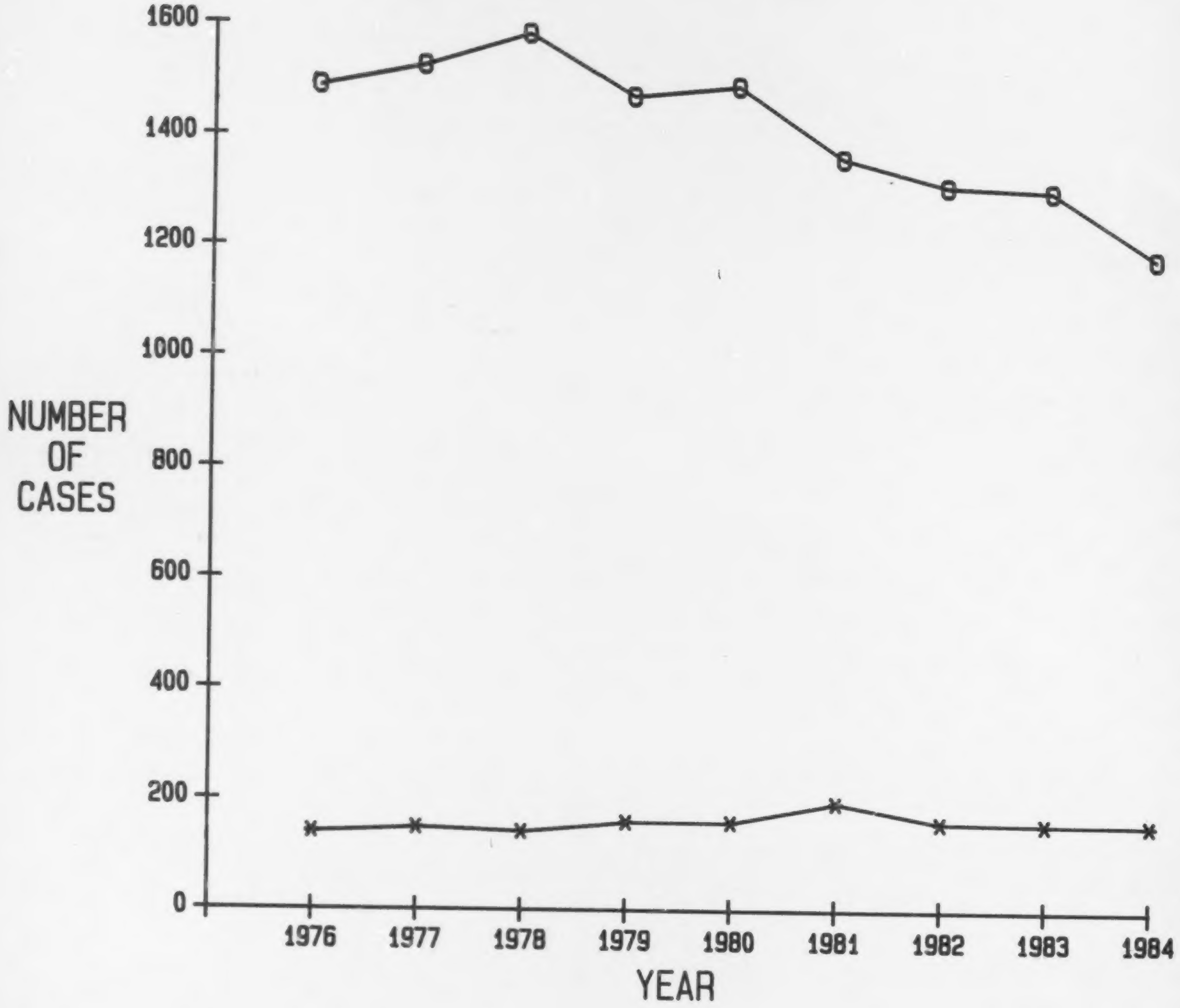
TABLE 4

TUBERCULOSIS - Reported Cases and Percent by Site of Disease, Florida, 1984

Disease Site	Reported Cases	
	Number	Percent
Pulmonary	1,179	88.3
Extra-Pulmonary		
Pleural	42	
Lymphatic	47	
Bone and/or Joint	9	
Genitourinary	17	
Miliary	15	
Meningeal	6	
Peritoneal	2	
Other	18	
Total Extra-Pulmonary	156	11.7
Total All Cases	1,335	100.0

FIGURE 4

Number of Reported Pulmonary and Extra-Pulmonary Tuberculosis Cases, Florida, 1976-1984



	1976	1977	1978	1979	1980	1981	1982	1983	1984
-⊖- Pulmonary	1489	1525	1582	1469	1488	1358	1308	1300	1179
-*- Extra-Pulmonary	141	149	142	159	159	195	159	157	156
TOTAL	1630	1674	1724	1628	1647	1553	1467	1457	1335

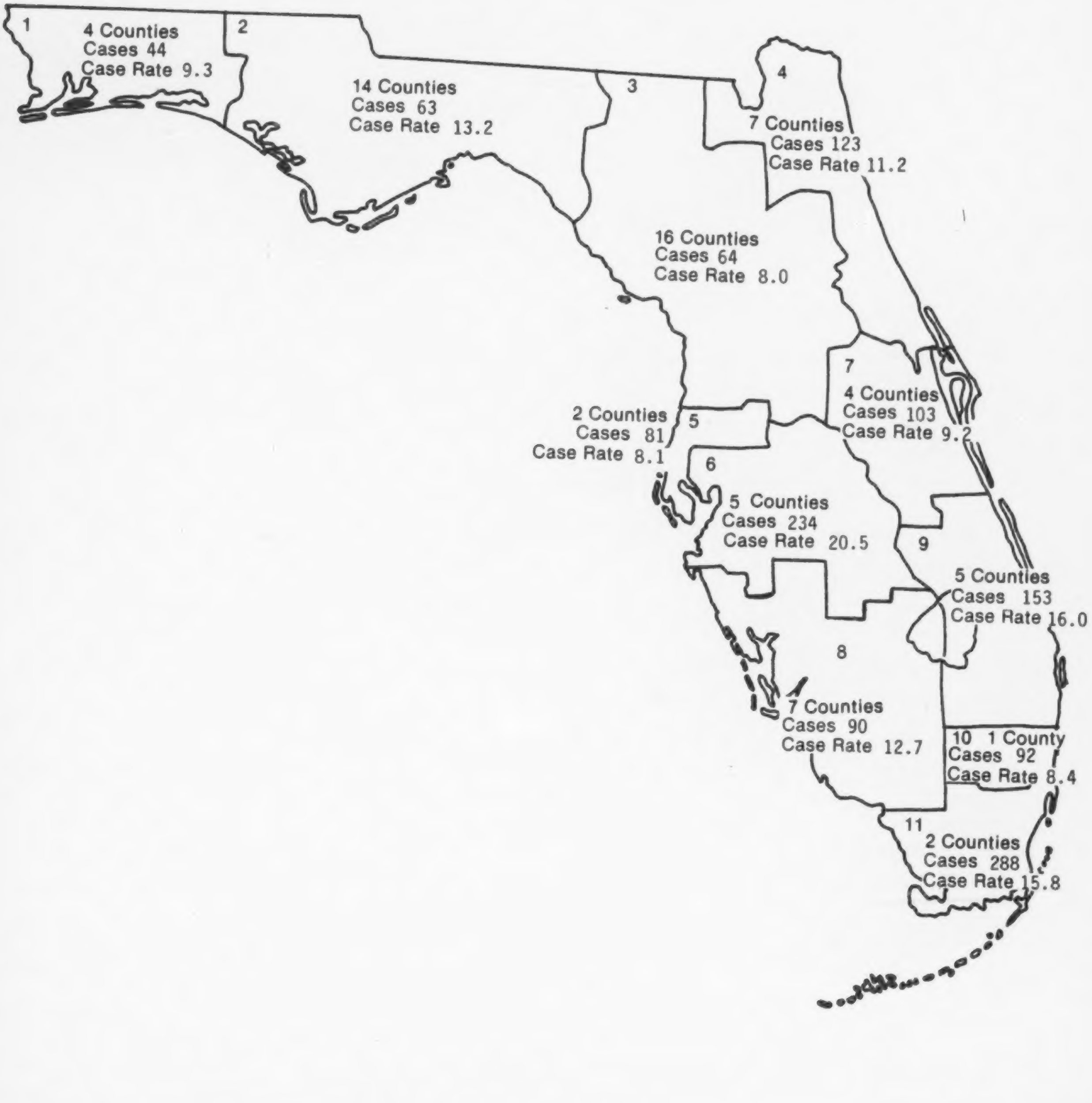
TABLE 5

*TUBERCULOSIS - Reported Cases and Rates Per 100,000 Population, By Rank, By County, Florida, 1983

County	Number of Cases	Rate Per 100,000 Population	Rank	County	Number of Cases	Rate Per 100,000 Population	Rank
Alachua	8	4.8	43	Lee	28	11.4	23
Baker	0	0.0	49	Leon	17	10.5	26
Bay	28	25.1	6	Levy	2	9.2	30
Bradford	0	0.0	49	Liberty	1	22.8	8
Brevard	8	2.5	47	Madison	1	6.4	39
Broward	92	8.4	32	Manatee	28	17.0	11
Calhoun	0	0.0	49	Marion	12	8.0	34
Charlotte	3	4.0	44	Martin	2	2.6	46
Citrus	4	5.8	40	Monroe	8	11.8	22
Clay	0	0.0	49	Nassau	1	2.7	45
Collier	32	29.6	4	Okaloosa	7	5.4	41
Columbia	1	2.6	46	Okeechobee	3	12.8	20
Dade	280	16.0	14	Orange	74	14.1	17
DeSoto	6	28.4	5	Osceola	1	1.4	48
Dixie	0	0.0	49	Palm Beach	82	12.2	21
Duval	83	13.9	18	Pasco	21	9.3	29
Escambia	29	11.3	24	Pinellas	60	7.7	35
Flagler	0	0.0	49	Polk	63	17.8	10
Franklin	3	37.7	3	Putnam	9	16.1	13
Gadsden	6	13.8	19	St. Johns	6	9.4	28
Gilchrist	0	0.0	49	St. Lucie	55	49.8	2
Glades	0	0.0	49	Santa Rosa	5	8.1	33
Gulf	1	8.9	31	Sarasota	16	6.9	36
Hamilton	0	0.0	49	Seminole	20	9.5	27
Hardee	12	61.4	1	Sumter	4	15.0	16
Hendry	5	23.6	7	Suwannee	3	12.2	21
Hernando	4	6.5	38	Taylor	3	17.0	11
Highlands	11	19.8	9	Union	0	0.0	49
Hillsborough	120	16.8	12	Volusia	33	11.2	25
Holmes	1	6.7	37	Wakulla	0	0.0	49
Indian River	11	15.2	15	Walton	3	12.8	20
Jackson	2	5.1	42	Washington	0	0.0	49
Jefferson	0	0.0	49				
Lafayette	0	0.0	49	STATE TOTAL	1,335	12.2	--
Lake	17	14.1	17				

FIGURE 5

TUBERCULOSIS - Reported Cases and Case Rates Per 100,000 Population, By HRS Districts, Florida, 1984


1
4 Counties
Cases 44
Case Rate 9.3
2
14 Counties
Cases 63
Case Rate 13.2
3
16 Counties
Cases 64
Case Rate 8.0
4
7 Counties
Cases 123
Case Rate 11.2
5
2 Counties
Cases 81
Case Rate 8.1
6
5 Counties
Cases 234
Case Rate 20.5
7
4 Counties
Cases 103
Case Rate 9.2
8
7 Counties
Cases 90
Case Rate 12.7
9
5 Counties
Cases 153
Case Rate 16.0
10
1 County
Cases 92
Case Rate 8.4
11
2 Counties
Cases 288
Case Rate 15.8

This publication was produced by the HRS Communicable Disease/Epidemiolgy Program at an annual cost of $2,504.25, or $4.77 per copy, to inform the public about communicable disease morbidity statistics in Florida, in accordance with Chapter 381, F.S. HRS complies with the state and federal nondiscrimination policies relating to race, sex, age and handicapping conditions.

S1745-2-u

FLORIDA
MORBIDITY STATISTICS
1985

HRS

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REHABILITATIVE SERVICES

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GREGORY L. COLER, Secretary

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INTRODUCTION

This is the 41st edition of the Florida Morbidity Statistics. The series begun in 1945 in order to provide a variety of users with detailed information not previously available in the State Board of Health Annual Reports. Data on the reported incidence of notifiable communicable diseases are presented in a table and figure format with narrative interpretations when appropriate. These and some unpublished records for the years 1918 through 1944 are available upon request from the Florida Department of Health and Rehabilitative Services (DHRS), State Health Office (SHO) Epidemiology Program.

Sources of Data

Data in this document are based on case reports furnished to County Public Health Units (CPHUs) by private physicians, hospitals, and others. Other sources of data include death certificates and laboratory reports which are checked routinely for previously unreported cases of notifiable diseases.

Each CPHU designates an individual responsible for collecting, tabulating, and maintaining data on reportable notifiable diseases received from physicians and hospitals on a continuing basis. These data are initially recorded on a "Reportable Disease Control Log". From this log each CPHU prepares and submits to the District Administrator and SHO Epidemiology Program summary reports on all cases of notifiable diseases reported to it during the past seven days. On the basis of these morbidity data received from CPHUs, the Epidemiology Program compiles statewide statistics and makes a weekly report of certain prescribed diseases to the Centers for Disease Control (CDC).

The population figures used in calculating the case rates for certain diseases are estimated by the Bureau of Economic and Business Research, College of Business Administration, University of Florida.

Epidemiologic Investigation

Individual case reports are verified as cases of reportable disease through investigations conducted by CPHU personnel. The CPHU director assigns those cases to be investigated to a nurse, environmental health specialist, or other appropriate personnel for follow-up. Most cases are physician-diagnosed and have appropriate laboratory verification. Individual case investigation forms are then forwarded to the Epidemiology Program for review and, in some instances, forwarded to the CDC along with investigation reports from any outbreaks.

Report Orientation

Occurrence of cases by county is usually reported by residence of the case. Reports originating from hospitals and other places outside the ill person's county of residence are credited to the county of usual residence. Sexually transmitted diseases are reported by county of residence unless residing in an institution (i.e., prison) in which case they are attributed to an institutional, 68th category.

Computerized Data Base

The Epidemiology Program collects the data submitted and consolidates it for later analysis and interpretation. The consolidated data are forwarded to the HRS Data Center for electronic data processing purposes. The CDC is then notified by telephone of reports on selected communicable diseases. A computer printout of the electronically processed data is returned to the SHO Epidemiology Program.

ACKNOWLEDGEMENTS

The Epidemiology Program acknowledges the important role played by Charles Hartwig, Sc.D., Director of Laboratory Services, and his staff in the Central Laboratory, the Epidemiology Research Center, and the six branch laboratories, in the prevention and control of communicable diseases. Other HRS units which contribute substantially to this overall effort are the Office of Vital Statistics and the Office of Management Systems and Computer Services.

Special thanks go to Departmental employees in the Sexually Transmitted Disease, Tuberculosis, Immunization, and AIDS Programs for their efforts in the prevention, surveillance, and control of communicable diseases, especially Jack Wroten, Program Supervisor, Sexually Transmitted Disease Program, Marianne B. McEuen, M.D., Acting Director, Tuberculosis Control Program, Henry T. Janowski, M.P.H., Program Supervisor, Immunization Program, and Joyner Sims, Ph.D., Program Administrator, AIDS Program.

Laura MacLafferty, Statistician, Communicable Disease Program, is thanked especially for her assistance in the preparation of all graphic material in this report.

Further acknowledgement is made to HRS Districts and CPHUs for their collective efforts in the statewide communicable disease morbidity surveillance and reporting system. The participation of physicians, hospitals, nurses, sanitarians, infection control nurses, epidemiology/communicable disease specialists, communicable disease report persons, and clerical staff is likewise greatly appreciated.

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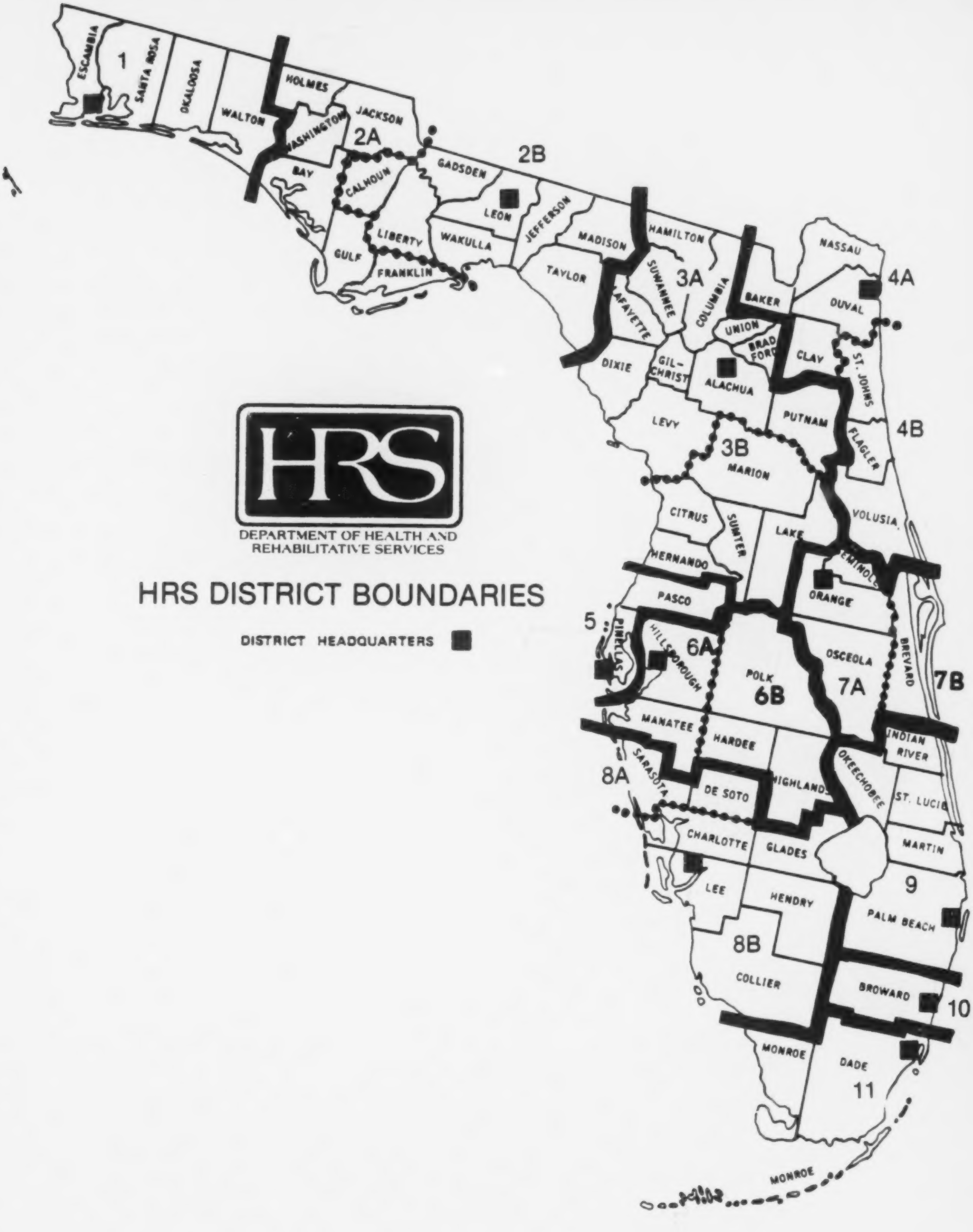
State Epidemiologist


1
ESCAMBIA
SANTA ROSA
OKALOOSA
WALTON
HOLMES
WASHINGTON
JACKSON
2A
BAY
CALHOUN
GULF
LIBERTY
FRANKLIN
2B
GADSDEN
LEON
WAKULLA
JEFFERSON
MADISON
TAYLOR
HAMILTON
SUWANNEE
LAFAYETTE
3A
COLUMBIA
BAKER
UNION
BRADFORD
DIXIE
GILCHRIST
ALACHUA
NASSAU
4A
DUVAL
CLAY
ST. JOHNS
PUTNAM
FLAGLER
4B
LEVY
3B
MARION
CITRUS
SUMTER
LAKE
VOLUSIA
HERNANDO
SEMINOLE
PASCO
ORANGE
5
PINELLAS
HILLSBOROUGH
6A
POLK
6B
OSCEOLA
7A
BREVARD
7B
MANATEE
HARDEE
INDIAN RIVER
SARASOTA
8A
DE SOTO
HIGHLANDS
OKEECHOBEE
ST. LUCIE
CHARLOTTE
GLADES
MARTIN
LEE
HENDRY
9
PALM BEACH
8B
COLLIER
BROWARD
10
MONROE
DADE
11
MONROE

DEPARTMENT OF HEALTH AND
REHABILITATIVE SERVICES

HRS DISTRICT BOUNDARIES

DISTRICT HEADQUARTERS ■

ALPHABETICAL LIST OF FLORIDA COUNTIES WITH 1985 MIDYEAR POPULATION ESTIMATES AND DISTRICT NUMBERS

COUNTY	POPULATION	DISTRICT
Alachua	174,149	3
Baker	17,427	4
Bay	120,767	2
Bradford	23,596	3
Brevard	343,337	7
Broward	1,130,257	10
Calhoun	9,518	2
Charlotte	79,639	8
Citrus	73,300	3
Clay	86,422	4
Collier	116,922	8
Columbia	39,587	3
Dade	1,766,952	11
DeSoto	21,721	8
Dixie	9,290	3
Duval	627,149	4
Escambia	266,506	1
Flagler	16,345	4
Franklin	8,449	2
Gadsden	45,113	2
Gilchrist	7,080	3
Glades	6,975	8
Gulf	11,307	2
Hamilton	9,247	3
Hardee	21,248	6
Hendry	22,942	8
Hernando	69,097	3
Highlands	58,768	6
Hillsborough	754,889	6
Holmes	15,600	2
Indian River	77,404	9
Jackson	41,002	2
Jefferson	11,591	2
Lafayette	4,526	3
Lake	125,404	3
Lee	267,803	8
Leon	169,682	2
Levy	22,610	3
Liberty	4,546	2
Madison	15,666	2
Manatee	171,847	6
Marion	159,909	3
Martin	81,891	9
Monroe	71,165	11
Nassau	40,224	4
Okaloosa	137,902	1
Okeechobee	24,794	9
Orange	559,512	7
Osceola	79,009	7
Palm Beach	721,176	9
Pasco	235,573	5
Pinellas	804,059	5
Polk	368,853	6
Putnam	57,186	3
St. Johns	69,841	4
St. Lucie	117,925	9
Santa Rosa	63,809	1
Sarasota	240,088	8
Seminole	232,854	7
Sumter	27,615	3
Suwannee	25,533	3
Taylor	17,941	2
Union	10,716	3
Volusia	309,844	4
Wakulla	13,291	2
Walton	25,909	1
Washington	15,019	2
STATE TOTAL*	11,377,318	

*State population increased 3.28 percent from 1984.

SECTION 1:

Summary of Selected Notifiable Diseases

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF ONSET, FLORIDA, 1985

DISEASES	Totals	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK
Amebiasis	57	4	2	2	2	5	3	5	1	1	1	1	2	28
Encephalitis, Post-Infectious	24	4	5	3	0	0	3	0	1	3	0	1	3	1
Encephalitis (other, excluding arthropod-borne)	39	5	3	2	1	2	5	5	2	1	2	5	1	5
Hepatitis A	1028	74	80	58	64	73	75	108	107	92	84	78	60	75
Hepatitis B	1728	131	126	128	113	110	120	112	141	140	145	110	85	267
Hepatitis NANB Asso. w/Blood or Blood Products	106	13	13	12	6	6	4	10	7	8	5	6	4	12
Hepatitis NANB Not Asso. w/Blood/Blood Products	250	31	21	19	21	34	21	16	18	17	15	8	12	17
Hepatitis, Unspecified	291	29	20	23	16	29	29	31	18	20	18	15	12	31
Legionnaires' Disease	20	2	0	2	1	0	1	2	1	0	4	1	3	3
Malaria	38	4	1	4	4	2	6	3	5	3	2	3	1	0
Measles (Rubeola)	117	5	52	22	2	4	10	7	3	1	8	2	1	0
Meningitis, Aseptic	592	24	21	25	22	44	68	76	61	74	74	48	45	10
Meningitis, Haemophilus Influenzae type b	423	45	39	39	44	39	27	24	20	24	32	39	40	11
Meningitis, Meningococcal	108	8	13	9	7	7	8	10	8	6	3	14	11	4
Meningitis, Other Bacterial	301	26	27	15	18	20	19	29	25	25	18	26	29	24
Mumps	61	4	6	5	5	1	6	2	4	6	8	7	4	3
Pertussis	75	14	4	7	10	7	7	7	4	6	3	3	1	2
Rubella (Excluding Congenital)	30	0	2	10	5	7	1	4	0	0	0	0	1	0
Salmonellosis	2513	87	88	119	111	194	186	218	278	262	314	259	157	240
Shigellosis	1317	69	49	62	88	108	180	126	121	116	152	87	56	103

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES, FLORIDA, 1976-1985

DISEASES	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Encephalitis, Post-Infectious	24	22	27	24	23	21	12	6	8	19
Encephalitis (other, excluding arthropod-borne)	39	55	53	74	46	59	55	92	42	26
Hepatitis A**	1028	779	961	1123	1509	2278	1883	1755	1375	2360
Hepatitis B	1728	1593	1398	1356	1512	1222	981	966	796	774
Hepatitis NANB Asso. w/Blood or Blood Products	106	98	56	75	74	51	82	+	+	+
Hepatitis NANB Not Asso. w/Blood/Blood Products	250	243	196	183	105	+	+	+	+	+
Hepatitis, Unspecified	291	248	295	477	530	788	741	583	400	xxxxx
Gonorrhea	57647	51212	53370	62702	60354	65437	61427	60382	58843	58921
Legionnaires' Disease	20	13	23	28	22	12	47	+	+	+
Malaria	38	33	31	35	49	86	32	40	23	22
Measles (Rubeola)	117	30	159	246	345	432	938	1203	308	342
Meningitis, Aseptic	592	487	588	873	673	654	319	311	258	189
Meningitis, Haemophilus Influenzae type b	423	408	333	337	N/A	N/A	N/A	N/A	N/A	N/A
Meningitis, Meningococcal	108	150	124	147	256	218	203	232	131	90
Meningitis, Other Bacterial	301	360	325	667	551	487	424	+	+	+
Mumps	61	47	26	48	145	195	216	318	285	387
Pertussis	75	91	57	59	78	68	51	62	75	18
Reye Syndrome*	2	6	13	9	18	21	13	7	6	5
Rubella (Excluding Congenital)	30	28	70	32	67	109	318	214	197	53
Salmonellosis	2513	1859	2332	2637	2194	2031	1853	1624	1192	1252
Shigellosis	1317	1032	700	585	784	927	808	857	498	315
Syphilis (All Stages)	7969	8314	8404	7936	5971	4384	4567	4648	4543	5528
Tuberculosis	1425	1335	1457	1467	1553	1647	1628	1724	1674	1630
Typhoid Fever	20	18	19	21	27	16	23	19	20	19

****Includes Hepatitis Unspecified 1976**
+Not Reported This Year
xxxxxIncluded in Hepatitis A

***Reporting Not Required**
N/A Data Not Available

REPORTED CASE RATES PER 100,000 POPULATION FOR SELECTED NOTIFIABLE DISEASES, FLORIDA, 1976-1985

DISEASES	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Encephalitis, Post-Infectious	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2
Encephalitis (other, excluding arthropod-borne)	0.3	0.5	0.5	0.7	0.5	0.6	0.6	1.0	0.5	0.3
Hepatitis A**	9.0	7.1	9.0	10.6	14.8	23.2	20.3	19.6	15.8	27.6
Hepatitis B	15.2	14.5	13.1	12.8	14.8	12.5	10.6	10.8	9.1	9.1
Hepatitis NANB Asso. w/Blood or Blood Products	0.9	0.9	0.5	0.7	0.7	0.5	0.9	+	+	+
Hepatitis NANB Not Asso. w/Blood/Blood Products	2.2	2.2	1.8	1.7	1.0	+	+	+	+	+
Hepatitis, Unspecified	2.6	2.3	2.8	4.5	5.2	8.0	8.0	6.5	4.6	xxxxx
Gonorrhea	506.7	465.0	501.7	595.7	597.0	666.8	660.9	673.4	675.0	689.0
Legionnaires' Disease	0.2	0.1	0.2	0.3	0.2	0.1	0.5	+	+	+
Malaria	0.3	0.3	0.3	0.3	0.5	0.9	0.3	0.4	0.3	0.3
Measles (Rubeola)	1.0	0.3	1.5	2.3	3.4	4.4	10.1	13.4	3.5	4.0
Meningitis, Aseptic	5.2	4.4	5.5	8.3	6.6	6.7	3.4	3.5	3.0	2.2
Meningitis, Haemophilus Influenzae type b	3.7	3.7	3.1	3.2	N/A	N/A	N/A	N/A	N/A	N/A
Meningitis, Meningococcal	1.0	1.4	1.2	1.4	2.5	2.2	2.2	2.6	1.5	1.1
Meningitis, Other Bacterial	2.7	3.3	3.1	6.3	5.4	5.0	4.6	+	+	+
Mumps	0.5	0.4	0.2	0.5	1.4	2.0	2.3	3.5	3.3	4.5
Pertussis	0.7	0.8	0.5	0.6	0.8	0.7	0.5	0.7	0.9	0.2
Reye Syndrome *	0.02	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
Rubella (Excluding Congenital)	0.3	0.3	0.7	0.3	0.7	1.1	3.4	2.4	2.3	0.6
Salmonellosis	22.1	16.9	21.9	25.0	21.5	20.7	19.9	18.1	13.7	14.6
Shigellosis	11.6	9.4	6.6	5.5	7.7	9.4	8.7	9.6	5.7	3.7
Syphilis (All Stages)	70.0	75.5	79.0	75.2	59.1	44.7	49.1	51.8	52.1	64.6
Tuberculosis ++	12.5	12.2	13.6	13.9	15.3	16.9	18.4	20.1	19.8	19.4
Typhoid Fever	0.2	0.2	0.2	0.6	0.3	0.2	0.2	0.2	0.2	0.2

****Includes Hepatitis Unspecified 1976**
xxxxxIncluded in Hepatitis A
***Reporting Not Required**

+Not Reported This Year
N/A Data Not Available

REPORTED CASES OF NOTIFIABLE DISEASES OF INFREQUENT OCCURRENCE, FLORIDA, 1976 - 1985

DISEASE	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	Not Reported Prior to
Botulism	0	0	0	1	1	0	0	1	0	0	1961
Brucellosis	8	13	7	10	16	7	11	10	11	8	
Cholera (Group 01)	1	0	0	1	0	0	0	0	0	0	
Congenital Rubella	0	0	0	0	1	2	4	1	0	1	1971
Dengue	0	0	0	1	13	1	0	7	3	0	
Diphtheria	0	0	0	0	1	0	0	0	0	0	
Histoplasmosis	6	3	2	3	2	1	4	1	3	1	1957
Hansen's Disease (Leprosy)	4	8	8	8	1	4	9	2	3	5	
Leptospirosis	4	2	4	8	6	11	18	22	8	1	1950
Polio	1	0	0	0	0	0	0	0	0	0	
Psittacosis	14	3	3	1	3	5	0	3	4	3	1954
Rocky Mt. Spotted Fever	15	2	3	5	14	9	10	12	2	4	1947
Schistosomiasis	2	3	10	3	2	3	1	0	0	0	
Tetanus	10	7	4	2	5	4	8	10	14	9	
Toxoplasmosis	12	5	11	22	25	32	6	2	1	0	1964
Tularemia	0	0	0	1	1	0	0	2	0	1	
Typhus Fever (Murine)	0	0	0	2	1	0	1	1	0	0	1946

*Other Diseases of Infrequent Occurrence and Year Last Case Reported

Anthrax (1974)
Human Rabies (1948)
Smallpox (1946)

SECTION 2:

Analysis of Selected Notifiable Diseases

ENCEPHALITIS, POST-INFECTIOUS AND OTHER

In 1985, there were 63 cases of encephalitis, post-infectious and other (excluding arthropod-borne) reported in Florida, an 18% decrease from 1984 when 77 cases were reported. The overall case rate per 100,000 for the state population did not change significantly from last year, (0.7 per 100,000 in 1984 versus 0.6 per 100,000 in 1985).

These encephalitis cases were reported from 21 of Florida's 67 counties. The number of cases, by month of onset, indicate a peak period in January and February (17 cases total).

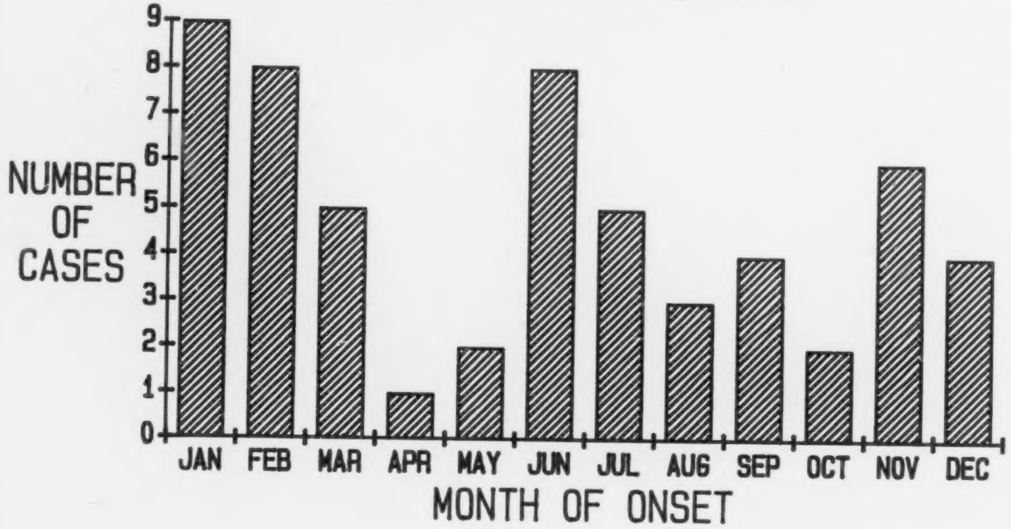
The highest age-specific incidence rate per 100,000 population was in the less than one year old age group (3 cases, 2.4 per 100,000), followed by those aged 1-4 (7 cases, 1.6 per 100,000), and 5-9 (7 cases, 1.2 per 100,000). The case rate then decreased rapidly with increasing age.

ENCEPHALITIS, POST-INFECTIOUS AND OTHER (INCLUDING UNSPECIFIED AND EXCLUDING ARTHROPOD-BORNE) - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

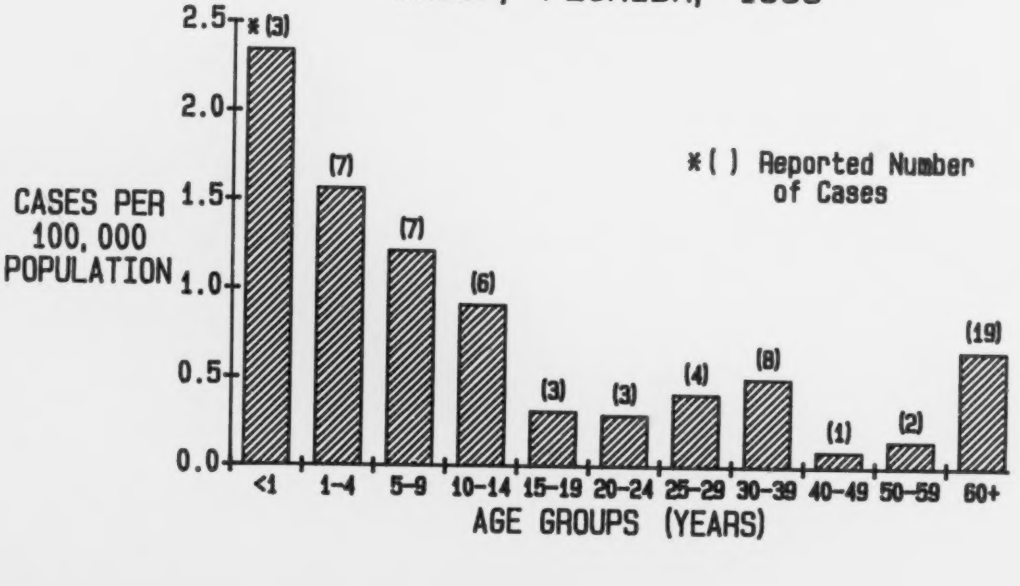
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR. * MEAN
I	Escambia							1							1	0.4	0.0
	Okaloosa															0.0	0.0
	Santa Rosa															0.0	0.0
	Walton															0.0	0.0
II	Bay	3	4												7	5.8	1.8
	Calhoun															0.0	0.0
	Franklin															0.0	0.0
	Gadsden									1					1	2.2	0.0
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson															0.0	0.8
	Jefferson															0.0	0.0
	Leon	1													1	0.6	0.2
	Liberty															0.0	0.0
	Madison															0.0	0.0
	Taylor															0.0	3.8
	Wakulla															0.0	0.0
	Washington															0.0	0.0
III	Alachua															0.0	0.4
	Bradford															0.0	0.0
	Citrus															0.0	1.4
	Columbia												1		1	2.5	0.9
	Dixie															0.0	0.0
	Gilchrist															0.0	4.7
	Hamilton							1							1	10.8	0.0
	Hernando															0.0	2.1
	Lafayette															0.0	0.0
	Lake															0.0	1.7
	Levy															0.0	3.0
	Marion															0.0	1.3
	Putnam															0.0	0.0
	Sumter															0.0	0.0
	Suwannee															0.0	0.0
	Union	1												1	2	18.7	0.0
IV	Baker															0.0	1.9
	Clay			1											1	1.2	2.1
	Duval						1							2	3	0.5	0.6
	Flagler															0.0	0.0
	Nassau		1				1								2	5.0	0.0
	St. Johns							2							2	2.9	2.1
	Volusia															0.0	0.9
V	Pasco				1										1	0.4	1.3
	Pinellas															0.0	0.6
VI	Hardee															0.0	6.5
	Highlands															0.0	1.2
	Hillsborough															0.0	0.4
	Manatee															0.0	0.2
	Polk	1	1			1	1			1	1	1	1	1	9	2.4	2.7
VII	Brevard															0.0	1.1
	Orange			1		1	1		1						4	0.7	1.1
	Osceola								1						1	1.3	2.3
	Seminole									1					1	0.4	0.3
VIII	Charlotte															0.0	0.0
	Collier															0.0	0.0
	DeSoto															0.0	0.0
	Glades															0.0	0.0
	Hendry															0.0	0.0
	Lee			1											1	0.4	1.4
	Sarasota		1									1		2	4	1.7	1.1
IX	Indian River								1						1	1.3	2.7
	Martin															0.0	0.0
	Okeechobee															0.0	0.0
	Palm Beach	1	1				2				1	2	1		8	1.1	0.6
	St. Lucie															0.0	0.0
X	Broward	2		2			2	1		1		2	1		11	1.0	0.8
XI	Dade															0.0	0.1
	Monroe															0.0	0.0
STATE TOTAL		9	8	5	1	2	8	5	3	4	2	6	4	6	63	0.6	0.7

*1982-1984 Average Rate

ENCEPHALITIS, POST-INFECTIOUS AND OTHER - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



ENCEPHALITIS, POST-INFECTIOUS AND OTHER - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



ENCEPHALITIS, ARTHROPOD-BORNE

Eastern Equine Encephalitis (EEE)

In 1985, there were no human cases of EEE in Florida.

St. Louis Encephalitis (SLE)

A serologically confirmed case of SLE occurred in a 62-year-old white female from Lee County. Onset of symptoms occurred on 10/27/85 and included fever, headache, tremors, confusion, change in consciousness, and lethargy. The woman became ill while en route from Florida to Las Vegas, Nevada, where she was hospitalized from 10/28/85 until 11/11/85. She had been bitten by mosquitos on 10/20/85, while playing shuffleboard near her home; she did not travel outside of Lee County during the two weeks prior to onset. Results of SLE serologic testing yielded the following: S_1 (not done), S_2 (HI 1:80, CF 1:16 on 11/25/85), and S_3 (HI 1:80, CF 1:16 on 12/20/85). The victim's second and third specimens were forwarded to CDC for IgM antibody testing and both were found to be positive.

Arbovirus Surveillance

During 1985 a total of 8,230 sentinel chicken sera from 30 counties were tested for Hemagluttination (HI) antibodies to EEE and SLE virus by the HRS Epidemiology Research Center in Tampa. Most of these sera were collected during the summer and fall when the EEE and SLE virus are most active. EEE virus activity was initially identified in 3 counties (Duval, Nassau, and Orange) the first week of August. EEE virus activity continued through December and was subsequently observed in the following counties: Jackson, Leon, Duval, Nassau, Volusia, Pasco, Orange, and Collier.

SLE virus activity was initially identified via the seroconversion of 2 chickens in Lee County in early August. By the end of December, the following South Florida counties had SLE seroconversions: Highlands, Manatee, Pinellas, Brevard, Orange, Charlotte, Collier, Glades/Hendry, Lee, Sarasota, Indian River, Palm Beach, St. Lucie, Martin, Broward, and Dade. Furthermore, SLE chicken seroconversions were observed as far north as Volusia and St. Johns counties.

MENINGITIS, ASEPTIC

In 1985, there were 592 cases of aseptic meningitis reported in Florida, a 22% increase from 1984 when 487 cases were reported. The overall state case rate per 100,000 population increased from 4.4 per 100,000 in 1984 to 5.2 per 100,000 in 1985.

Aseptic meningitis cases were reported from 44 of Florida's 67 counties. The major population centers in the state accounted for most of the cases. Enteroviruses, which accounted for the majority of culture confirmed cases, are identified in most areas of the state. Enterovirus transmission occurs most frequently during late spring, summer, and fall which coincides with the peak incidence of aseptic meningitis cases during the months May through October.

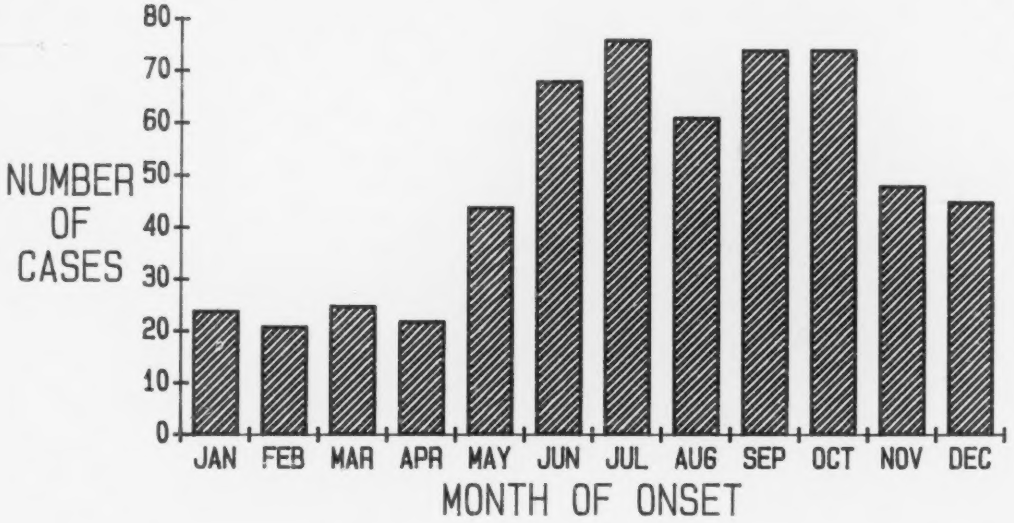
The highest age-specific incidence rate per 100,000 population was in the less than 1-year-old age group (146 cases, 114.3 per 100,000). The case rate then decreased rapidly with increasing age. The slightly elevated case rate in the age groups 1-4, 5-9, 20-24 and 25-29 may represent familial and parental associations with infants and young children.

MENINGITIS, ASEPTIC - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

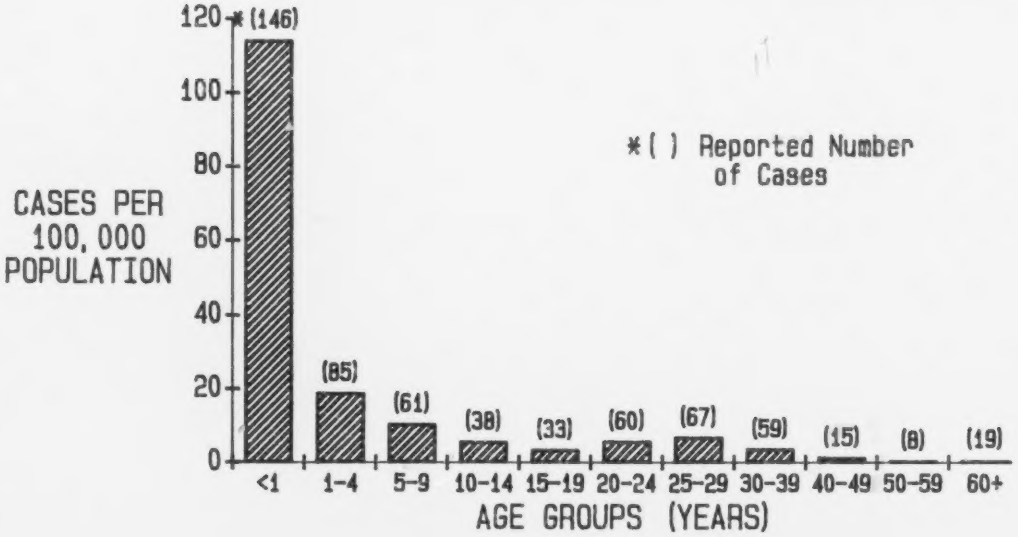
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR.* MEAN
I	Escambia						1	1							2	0.8	1.0
	Okaloosa		1												1	0.7	1.8
	Santa Rosa						1	2		2					5	7.8	2.7
	Walton															0.0	4.1
II	Bay					1						1			2	1.7	0.9
	Calhoun															0.0	0.0
	Franklin													1	1	11.8	0.0
	Gadsden															0.0	1.5
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson			1					1			1			3	7.3	0.0
	Jefferson															0.0	5.8
	Leon			1	1	2	2		1	1	2				10	5.9	4.5
	Liberty															0.0	0.0
	Madison															0.0	8.6
	Taylor										1				1	5.6	0.0
	Wakulla							1							1	7.5	2.7
	Washington															0.0	0.0
III	Alachua	1				2		2	2	1	1	1			10	5.7	2.2
	Bradford															0.0	4.2
	Citrus												1		1	1.4	0.0
	Columbia															0.0	0.0
	Dixie															0.0	0.0
	Gilchrist				1										1	14.1	0.0
	Hamilton															0.0	0.0
	Hernando							1							1	1.4	0.0
	Lafayette															0.0	0.0
	Lake								1	1					2	1.6	2.5
	Levy													1	1	4.4	4.5
	Marion		1			1		3				1	1		7	4.4	1.5
	Putnam															0.0	1.8
	Sumter														—	0.0	0.0
	Suwannee															0.0	0.0
	Union															0.0	6.4
IV	Baker															0.0	3.9
	Clay			1			1	2	3				3	1	11	12.7	4.2
	Duval	1				1					1				3	0.5	5.0
	Flagler											1			1	6.1	0.0
	Nassau							1				1			2	5.0	1.8
	St. Johns						1	1	1		2		1		6	8.6	8.7
	Volusia	2	2			1	5	4	1			1	2		18	5.8	6.3
V	Pasco			1		1	1	1	1	1	1	2	1		10	4.2	2.2
	Pinellas	2			7	8	6	6	2		1	2	2		36	4.5	2.7
VI	Hardee						2								2	9.4	3.2
	Highlands							2							2	3.4	1.2
	Hillsborough	2	4	5	4	7	11	7	6	4	9	9	7		75	9.9	10.3
	Manatee	1	1	1		3	6	1		1		2	1		17	9.9	6.2
	Polk			2	3	4	5	8	5	5	7	2	4	1	46	12.5	14.3
VII	Brevard	1	1			1		6	4	7					20	5.8	6.3
	Orange		1	4		3	4	5	8	15	16	6	6		68	12.2	7.3
	Osceola									3	1				4	5.1	0.0
	Seminole	2		1				1	2	1	2	2	1		12	5.2	5.1
VIII	Charlotte															0.0	0.0
	Collier						1	2	2				3		8	6.8	2.1
	DeSoto										1				1	4.6	9.4
	Glades															0.0	0.0
	Hendry												1		1	4.4	0.0
	Lee	2	3				1					1			7	2.6	5.6
	Sarasota							1						3	4	1.7	1.7
IX	Indian River															0.0	4.0
	Martin	1				3	2		1				1		8	9.8	6.4
	Okeechobee															0.0	2.8
	Palm Beach	1	1	1	4	3	5	2	6	1	5	1	2		32	4.4	5.0
	St. Lucie						2	1	1	2		1			7	5.9	3.2
X	Broward	3	2	5	1	2	8	3	5	1	4	2	3		39	3.5	5.4
XI	Dade	5	4	2	1	1	3	12	8	28	20	11	5	2	102	5.8	3.7
	Monroe													1	1	1.4	1.0
STATE TOTAL		24	21	25	22	44	68	76	61	74	74	48	45	10	592	5.2	4.7

*1982-1984 Average Rate

MENINGITIS, ASEPTIC - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



MENINGITIS, ASEPTIC - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



MENINGITIS, HAEMOPHILUS INFLUENZAE type b

In 1985, there were 423 cases of Haemophilus influenzae type b (Hib) meningitis reported in Florida, a 3.7% increase from 1984, when 408 cases were reported. However, the overall case rate per 100,000 population for the state did not change from 1984 to 1985 (3.7 per 100,000).

Hib meningitis cases were reported from 49 of Florida's 67 counties. There was no definable geographic clustering of cases within Florida. The number of cases by month of onset showed lower incidence during the warmer months.

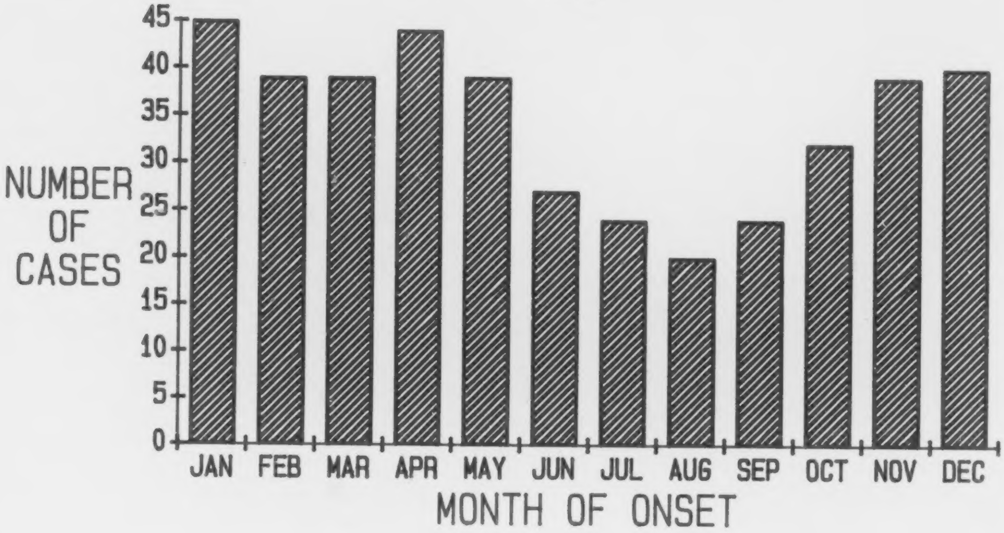
The peak age-specific incidence of reported cases occurred in the 1-4 year olds (302 cases, 67.6 per 100,000), followed by the less than 1 year olds (86 cases, 67.3 per 100,000). These two age groups accounted for 92% of the total cases. The low incidence rate in age groups 5-9 and above remained fairly constant.

MENINGITIS, HAEMOPHILUS INFLUENZAE type b - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

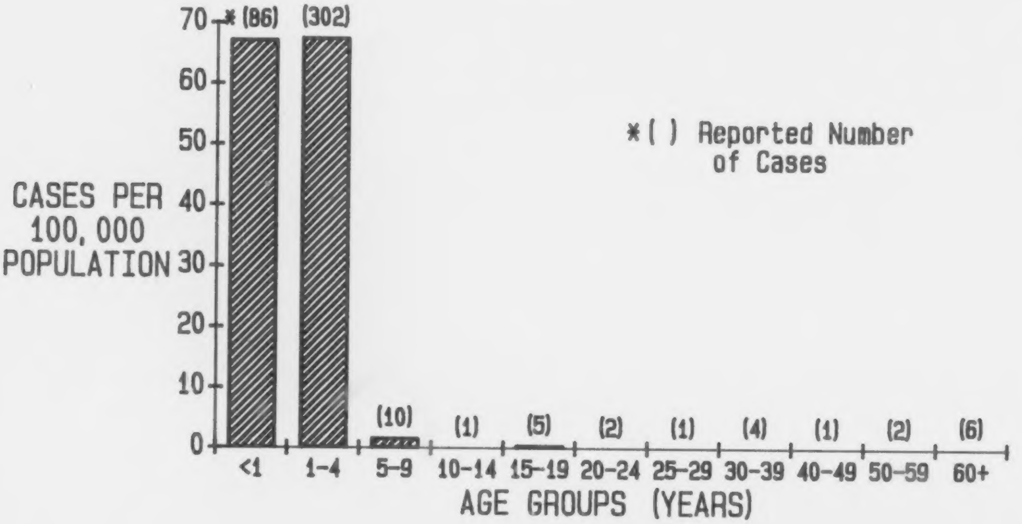
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR.* MEAN
I	Escambia		1		1		1	3			1		5		12	4.5	3.2
	Okaloosa	1	1	1		2									5	3.6	3.1
	Santa Rosa		1				2					1	1		5	7.8	2.1
	Walton		1												1	3.9	0.0
II	Bay		3	7	2		1	1							14	11.6	3.5
	Calhoun															0.0	0.0
	Franklin															0.0	0.0
	Gadsden	2							2	1		1			6	13.3	6.8
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson					1									1	2.4	0.8
	Jefferson															0.0	0.0
	Leon	1			1	1	1	1		3	3				11	6.5	5.5
	Liberty															0.0	0.0
	Madison															0.0	0.0
	Taylor															0.0	4.3
	Wakulla															0.0	0.0
	Washington													1	1	7.5	8.0
																0.0	0.0
III	Alachua	2					1	1				2			6	3.4	3.6
	Bradford															0.0	0.0
	Citrus	1		1				1							3	4.1	0.0
	Columbia													1	1	2.5	0.0
	Dixie															0.0	3.6
	Gilchrist															0.0	9.4
	Hamilton															0.0	14.6
	Hernando	1													1	1.4	2.6
	Lafayette															0.0	0.0
	Lake	1		1						2			1		5	4.0	4.4
	Levy													1	1	4.4	3.0
	Marion	1	2	2		1	1	1	2	1		1			12	7.5	7.1
	Putnam									1					1	1.7	7.2
	Sumter			1							1	1			3	10.9	2.5
	Suwannee															0.0	0.0
	Union															0.0	0.0
IV	Baker															0.0	5.8
	Clay				2				1						3	3.5	1.2
	Duval	2	8	4	5	2	1	2	3	1	1	3	3		35	5.6	5.2
	Flagler									1					1	6.1	2.2
	Nassau			1	1	1							1		4	9.9	6.1
	St. Johns					1							1		2	2.9	6.7
	Volusia					2	1	1			2		1		7	2.3	3.4
V	Pasco	3		1			1					1			6	2.5	1.5
	Pinellas	1	1		1	1	1	2			2		2		11	1.4	3.2
VI	Hardee			1											1	4.7	1.6
	Highlands					1									1	1.7	3.5
	Hillsborough	5	3	1	3	4	1	1	1	1	1	2	2		25	3.3	3.5
	Manatee				1							1			2	1.2	2.4
	Polk	1	2	1	1	5	2		1			2	1		16	4.3	4.9
VII	Brevard		1		1	1				1	1				5	1.5	2.5
	Orange	2	2	3	3	1	3	2	2	2	2	3	4		29	5.2	5.1
	Osceola				1	1						2			4	5.1	2.3
	Seminole		2	2							1	1	1		7	3.0	1.9
VIII	Charlotte							1		1					2	2.5	2.7
	Collier	1			1	2				1	3	1	2		11	9.4	2.4
	DeSoto												2		2	9.2	15.7
	Glades															0.0	5.0
	Hendry	1		1											2	8.7	0.0
	Lee	3	2		1		1			2	1	1	1	2	14	5.2	2.8
	Sarasota	1			1			1						3	6	2.5	0.9
IX	Indian River			1		1	1								3	3.9	3.1
	Martin						1		1	1			1		4	4.9	3.4
	Okeechobee				1	1					1				3	12.1	36.0
	Palm Beach	5	2	1	3	1	2		1		2	2	3		22	3.1	4.5
	St. Lucie		1												1	0.8	5.3
X	Broward	2		2	4	2		1			2	3	3		19	1.7	2.7
XI	Dade	8	6	7	10	7	5	3	6	5	8	11	5	3	84	4.8	3.0
	Monroe							2							2	2.8	1.5
STATE TOTAL		45	39	39	44	39	27	24	20	24	32	39	40	11	423	3.7	3.5

*1982-1984 Average rate

MENINGITIS, HAEMOPHILUS INFLUENZAE type b - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



MENINGITIS, HAEMOPHILUS INFLUENZAE type b - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



MENINGITIS, MENINGOCOCCAL

In 1985, 108 cases of meningitis due to Neisseria meningitidis were reported. This was an incidence rate of 0.9 cases per 100,000 population, a slight decrease from the rate of 1.4 reported in 1984. The peak age-specific incidence of reported cases occurred in the less than 1 year olds (15 cases, 11.8 per 100,000) followed by the 1-4 year olds (37 cases, 8.3 per 100,000). These two age groups represented 48% of the total cases. The incidence rate in the older age groups remained low and fairly constant.

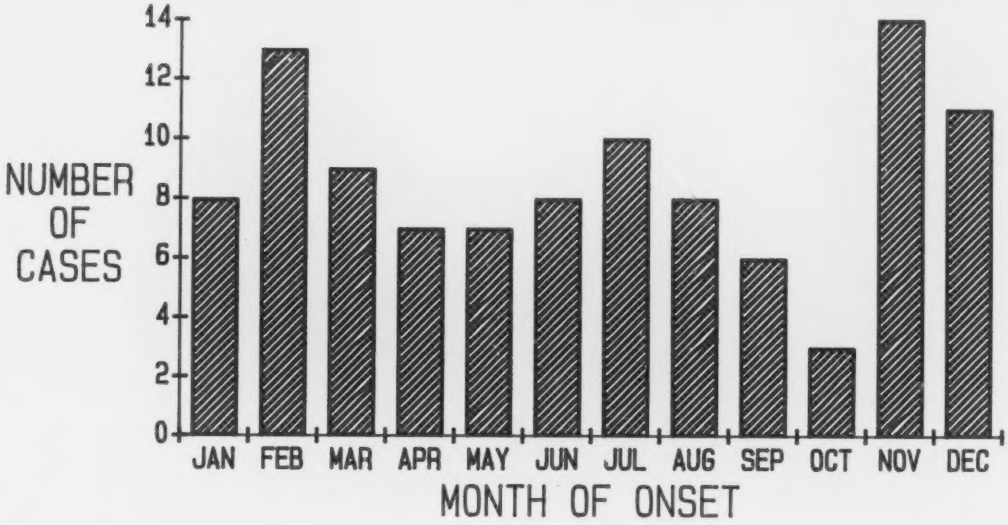
Meningococcal meningitis cases were reported from 26 of Florida's 67 counties. There was no definable geographic clustering of cases within Florida; however, Dade and Broward counties, with incidence rates of 0.7 and 1.2 (respectively) contributed the largest number of cases (26); 24% of the state total. The majority of cases occurred in November (14) and February (13).

MENINGITIS, MENINGOCOCCAL - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

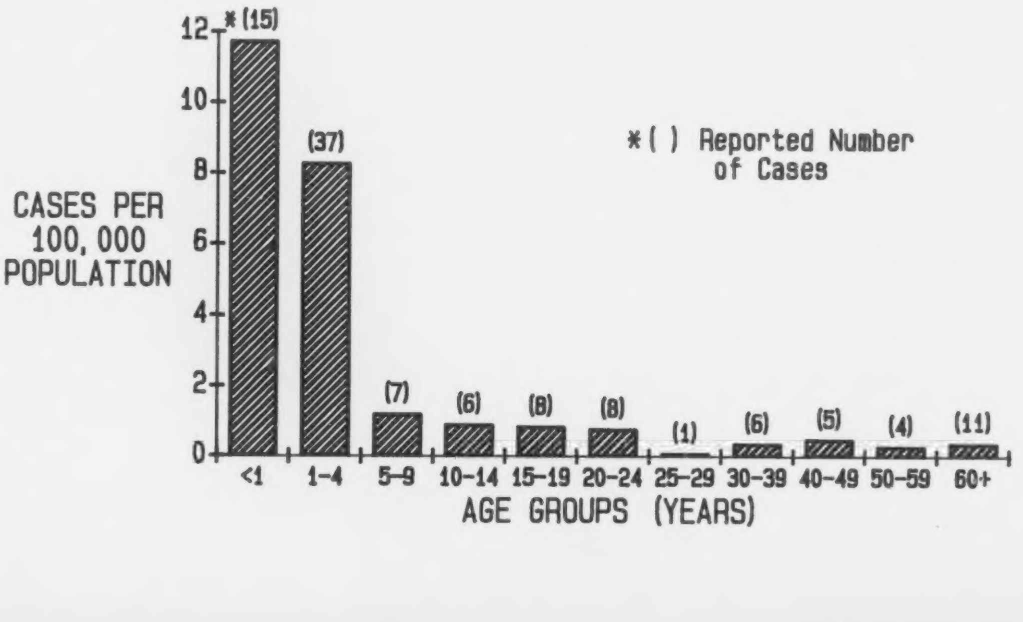
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR.* MEAN
I	Escambia		1			1											
	Okaloosa														2	0.8	1.0
	Santa Rosa															0.0	1.0
	Walton								1						1	1.6	0.0
II	Bay															0.0	2.8
	Calhoun						2								2	1.7	0.3
	Franklin															0.0	0.0
	Gadsden															0.0	0.0
	Gulf															0.0	0.8
	Holmes															0.0	0.0
	Jackson															0.0	4.3
	Jefferson															0.0	0.0
	Leon		1													0.0	0.0
	Liberty														1	0.6	2.2
	Madison															0.0	0.0
	Taylor															0.0	0.0
	Wakulla															0.0	0.0
	Washington															0.0	5.3
III	Alachua															0.0	0.0
	Bradford		1							1					1	0.6	1.0
	Citrus														1	4.2	0.0
	Columbia															0.0	0.0
	Dixie															0.0	0.0
	Gilchrist															0.0	14.4
	Hamilton															0.0	0.0
	Hernando															0.0	0.0
	Lafayette															0.0	0.0
	Lake															0.0	15.3
	Levy															0.0	0.6
	Marion															0.0	3.0
	Putnam															0.0	0.0
	Sumter								1						1	1.7	3.6
	Suwannee									1					1	3.6	1.2
	Union															0.0	0.0
IV	Baker															0.0	0.0
	Clay						1				1				1	5.7	0.0
	Duval		2	1	1		1		1	1		1			1	1.2	1.7
	Flagler														8	1.3	0.8
	Nassau															0.0	0.0
	St. Johns							2	1						3	7.5	5.3
	Volusia					1				1						0.0	2.6
V	Pasco	1		2		1			1	1		1			2	0.6	2.7
	Pinellas	1	2	3	1										7	3.0	0.9
VI	Hardee											1			8	1.0	1.5
	Highlands															0.0	0.0
	Hillsborough		1		1	2	1									0.0	0.6
	Manatee	3										1			6	0.8	1.1
	Polk											2	2		7	4.1	2.8
VII	Brevard					1										0.0	0.9
	Orange		1	1	1	1		2			1	1			3	0.9	1.0
	Osceola	1									1		2		9	1.6	1.9
	Seminole														1	1.3	3.3
VIII	Charlotte															0.0	1.1
	Collier															0.0	0.0
	DeSoto															0.0	0.0
	Glades															0.0	9.4
	Hendry															0.0	0.0
	Lee															0.0	0.0
	Sarasota													2	2	0.7	0.9
IX	Indian River							3						2	5	2.1	1.6
	Martin															0.0	1.8
	Okeechobee						1								1	1.2	0.8
	Palm Beach		2		1		1	2	1			1				0.0	2.8
	St. Lucie														8	1.1	1.1
X	Broward	2	1	1	2			1	1	1		1	3			0.0	0.0
XI	Dade		1	1			1		1			5	4		13	1.2	1.0
	Monroe														13	0.7	1.6
																0.0	0.0
STATE TOTAL		8	13	9	7	7	8	10	8	6	3	14	11	4	108	0.9	1.3

*1982-1984 Average rate

MENINGITIS, MENINGOCOCCAL - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



MENINGITIS, MENINGOCOCCAL - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



MENINGITIS, OTHER BACTERIAL

In 1985, 301 cases of meningitis, other bacterial [i.e., Group B Streptococcus (40 cases), Listeria monocytogenes (13 cases), Streptococcus pneumonia (18 cases), and Other bacterial including Unspecified (230 cases)] were reported. This was an incidence rate of 2.6 cases per 100,000 population, a slight decrease from the rate reported in 1984 (3.3). The peak age-specific incidence of reported cases occurred in the less than 1 year olds (71 cases, 55.6 per 100,000) followed by the 1-4 year olds (65 cases, 14.6 per 100,000). These two age groups represented 45% of the total cases reported. Nearly 70% of all reported cases of bacterial meningitis in the U.S. occur in children less than 5 years of age. The incidence rate in age groups 5 years of age and above remained low and fairly constant.

Bacterial meningitis (excluding Haemophilus influenzae type b and Neisseria meningitidis cases were reported from 40 of Florida's 67 counties. There was no definable geographic clustering of cases within Florida. Most of the cases were accounted for by the major population centers in the state.

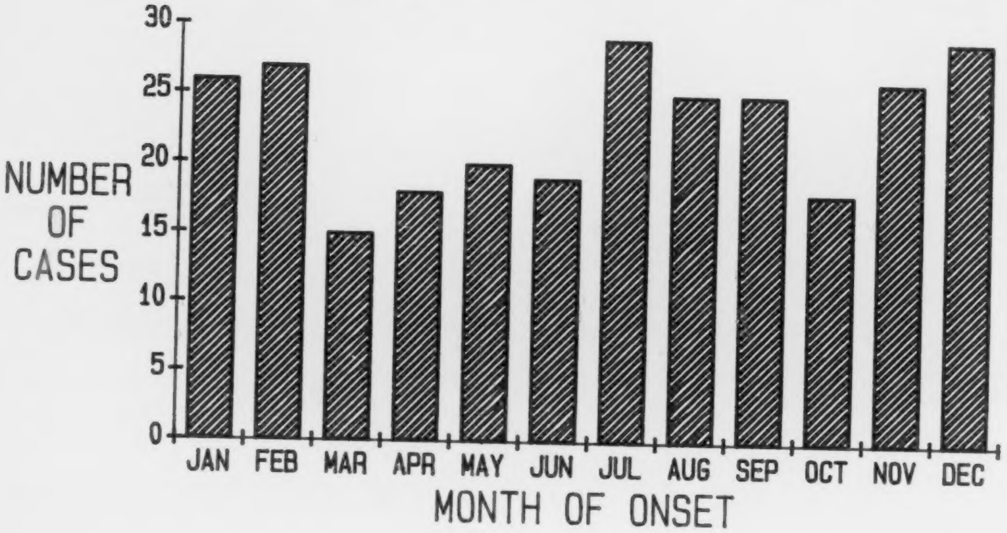
The number of reported cases by month of onset was constant throughout the year, averaging around 23 per month, peaking slightly in July (29) and December (29).

MENINGITIS, OTHER BACTERIAL - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

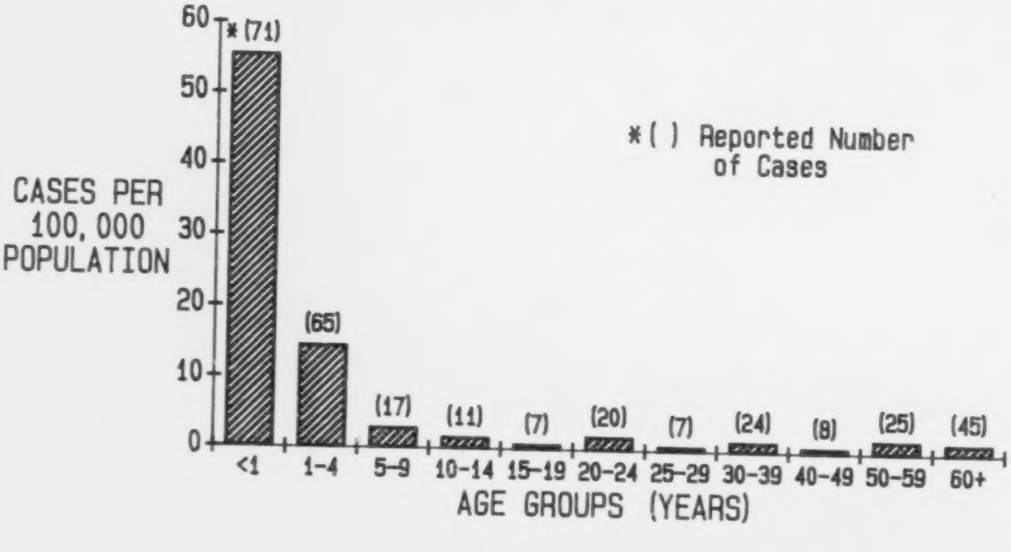
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR. * MEAN
I	Escambia							1					2	1	4	1.5	1.0
	Okaloosa															0.0	2.3
	Santa Rosa		1					1							2	3.1	4.8
	Walton															0.0	1.4
II	Bay	3			1		1	1							6	5.0	5.9
	Calhoun															0.0	0.0
	Franklin															0.0	0.0
	Gadsden								2	1			1		4	8.9	0.0
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson															0.0	0.0
	Jefferson				1										1	8.6	4.2
	Leon	1				3		2	1	1	3	1	1		13	7.7	5.3
	Liberty															0.0	0.0
	Madison															0.0	2.2
	Taylor	1						2	2						5	27.9	7.5
	Wakulla															0.0	0.0
	Washington															0.0	0.0
III	Alachua	1			1					1		1	1		5	2.9	2.4
	Bradford													1	1	4.2	0.0
	Citrus					1			1						2	2.7	3.8
	Columbia	2												1	3	7.6	0.9
	Dixie															0.0	7.2
	Gilchrist															0.0	0.0
	Hamilton															0.0	14.6
	Hernando															0.0	0.0
	Lafayette															0.0	0.0
	Lake					1		1					1		3	2.4	1.7
	Levy															0.0	4.5
	Marion					1				2		2	1		6	3.8	3.8
	Putnam						1								1	1.7	1.8
	Sumter							1							1	3.6	3.8
	Suwannee															0.0	1.3
	Union															0.0	6.4
IV	Baker															0.0	5.8
	Clay										1				1	1.2	2.1
	Duval		5	1	3	3		1	3		5	4	1		26	4.1	3.9
	Flagler						1								1	6.1	2.2
	Nassau							1		1				1	3	7.5	3.5
	St. Johns		1				1								2	2.9	3.1
	Volusia	1	3	1				2	1		1	1			10	3.2	6.5
V	Pasco	1	1	2								1	1		6	2.5	1.9
	Pinellas		1		1		1	2		2		1	2		10	1.2	2.2
VI	Hardee															0.0	3.2
	Highlands															0.0	2.9
	Hillsborough	2	2	2	3	2	4	1	1	4	1	1	1		24	3.2	5.7
	Manatee						1								1	0.6	0.0
	Polk	2	5	2		1		4		1	2	3	3		23	6.2	10.7
VII	Brevard			1						1					2	0.6	3.1
	Orange	2		3	2	3	2	2	8	3	1	1	4	1	32	5.7	3.8
	Osceola						2		1				1		4	5.1	6.5
	Seminole				1				1	1			1		4	1.7	3.7
VIII	Charlotte															0.0	1.8
	Collier	2					2	2		1	1				8	6.8	2.4
	DeSoto															0.0	11.0
	Glades															0.0	10.1
	Hendry															0.0	0.0
	Lee	1	1					2		2	1	1		3	11	4.1	2.2
	Sarasota			1									1	14	16	6.7	5.4
IX	Indian River	1					2	1				1		1	6	7.8	8.9
	Martin				1				1						2	2.4	2.1
	Okeechobee		1						1						2	8.1	1.4
	Palm Beach					3		1	1			2	1		8	1.1	3.2
	St. Lucie		2							1					3	2.5	2.4
X	Broward	3	2		2	2	1	1	1	2		4	3		21	1.9	1.9
XI	Dade	3	2	2	2					1	2	2	3	1	18	1.0	1.3
	Monroe															0.0	1.5
STATE TOTAL		26	27	15	18	20	19	29	25	25	18	26	29	24	301	2.6	3.2

*1982-1984 Average rate

MENINGITIS, OTHER BACTERIAL - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



MENINGITIS, OTHER BACTERIAL - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



HEPATITIS A

In 1985, 1,028 cases of hepatitis A were reported, which represents a 32% increase from the total number of cases reported in 1984 (779). The case rate in 1985 (9.0 per 100,000) increased substantially (27%) from the rate in 1984 (7.1 per 100,000).

The months with the peak number of cases were July and August (108 and 107, respectively), while March had the fewest (58). The general trend was a Spring/Summer increase in cases from March through August, with subsequent Fall/Winter decrease from September through December.

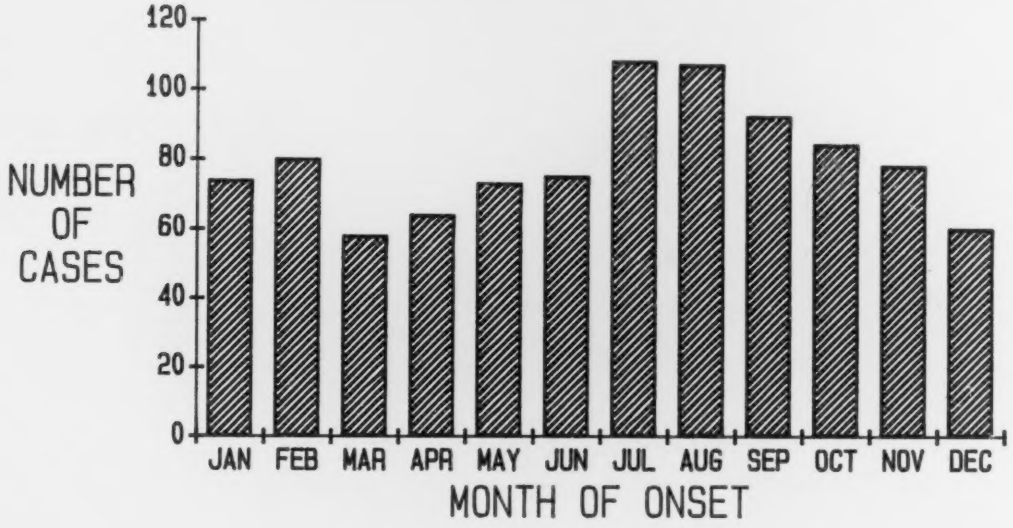
The bimodal distribution of cases among age groups was similar to previous years. Young adults aged 20-24 years and 25-29 years had the highest rates of illness (18.1 and 17.0 per 100,000, respectively) as well as the 5-9 year old age group which had an equally high rate (17.2). Low rates were reported for children less than 5 years of age who, when infected, frequently have subclinical infection or non-specific mild illness and are probably underdiagnosed.

Hepatitis A infection was reported from all but 19 of Florida's 67 counties. The highest rates of infection were observed in Manatee (43.6 per 100,000), Volusia (36.5 per 100,000), Okeechobee (32.3 per 100,000), and St. Johns (31.5 per 100,000) counties.

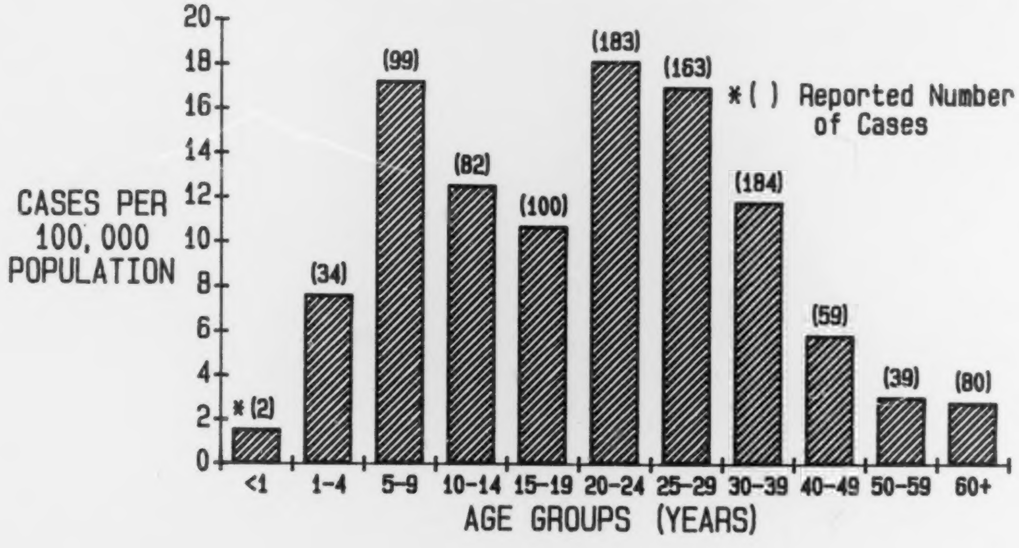
HEPATITIS A - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR. MEAN *
I	Escambia	2	2			1				1	1				7	2.6	1.8
	Okaloosa	1		1		2	1	2			1				8	5.8	3.8
	Santa Rosa													1	1	1.6	2.1
	Walton															0.0	1.4
II	Bay															0.0	1.2
	Calhoun															0.0	10.8
	Franklin															0.0	4.1
	Gadsden	1		2	1	3	1	1			2				11	24.4	0.0
	Gulf															0.0	0.0
	Holmes							1							1	6.4	6.5
	Jackson					1		1							2	4.9	3.3
	Jefferson															0.0	0.0
	Leon	1					1		1	1	1		1		6	3.5	5.1
	Liberty															0.0	0.0
	Madison															0.0	4.3
	Taylor															0.0	1.9
	Wakulla															0.0	0.0
	Washington						2								2	13.3	0.0
III	Alachua	1	2	1	3		2	1	7				2		19	10.9	4.3
	Bradford	1													1	4.2	8.5
	Citrus				1					1					2	2.7	6.2
	Columbia															0.0	0.9
	Dixie															0.0	0.0
	Gilchrist						2								2	28.2	75.1
	Hamilton															0.0	0.0
	Hernando	1								1		1		1	4	5.8	4.2
	Lafayette															0.0	7.7
	Lake	3	1	2	2	2	1	2	2	3	1	1	1	1	22	17.5	7.2
	Levy															0.0	4.5
	Marion					1		2					3		6	3.8	3.3
	Putnam													1	1	1.7	29.9
	Sumter		1	1						1	1	1			5	18.1	2.5
	Suwannee															0.0	4.0
	Union								1						1	9.3	47.7
IV	Baker															0.0	3.9
	Clay							1	3	2	1		1		8	9.3	2.9
	Duval	1	3	1	2	1	2	7	4	2	5	5	4	4	41	6.5	3.2
	Flagler															0.0	0.0
	Nassau											1			1	2.5	1.8
	St. Johns				1				1	2	6	8	4		22	31.5	5.1
	Volusia	12	8	3	3	5	8	13	18	9	8	9	11	6	113	36.5	6.4
V	Pasco	2	1	3	1		7	7	5		8	12	4		50	21.2	6.1
	Pinellas	4	2	1	3	5	2	2	3	3	2	1	2	1	31	3.9	5.6
VI	Hardee										1			1	2	9.4	11.3
	Highlands		7	2		2		1						1	13	22.1	13.6
	Hillsborough	9	8	5	11	15	6	14	7	12	8	6	10	1	112	14.8	17.4
	Manatee	1	14	4	6	3	2	7	11	14	8		1	4	75	43.6	12.6
	Polk	3	5	5	6	4	4	11	4	4	3	4	2	1	56	15.2	8.6
VII	Brevard						1	1	2	2	2			1	9	2.6	6.1
	Orange	3	10	8	8	16	12	13	11	8	8	15	6	6	124	22.2	8.7
	Osceola	1		1			1		1	1					5	6.3	46.7
	Seminole		1	1		1	1	1	3			1		1	10	4.3	4.8
VIII	Charlotte							1	1		1	1			4	5.0	3.5
	Collier	3	1				1			1			1		7	6.0	25.3
	DeSoto									1					1	4.6	28.2
	Glades															0.0	0.0
	Hendry					1			1						2	8.7	42.8
	Lee	1	1	1				1		1				3	8	3.0	14.3
	Sarasota				1			1					1	22	25	10.4	8.9
IX	Indian River			2											2	2.6	2.7
	Martin								1	1					2	2.4	5.9
	Okeechobee	1	1	1				2	2					1	8	32.3	71.9
	Palm Beach	5	5	3	1	5	7	6	8	7	7	5	2		61	8.5	9.5
	St. Lucie		1					1	1	1	1				5	4.2	4.4
X	Broward	8	3	7	7	2	4	4	3	6	2	2		3	51	4.5	4.3
XI	Dade	7	3	3	5	2	7	4	6	7	6	5	4	13	72	4.1	4.7
	Monroe	2			2	1								2	7	9.8	12.1
STATE TOTAL		74	80	58	64	73	75	108	107	92	84	78	60	75	1028	9.0	7.6

1982-1984 Average rate



HEPATITIS A - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



HEPATITIS A - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985

HEPATITIS B

In 1985, 1,728 cases of hepatitis B were reported to the state, which represents an 8% increase from the total number of cases reported in 1984 (1,593). The case rate in 1985 (15.2 per 100,000) increased 5% from the rate in 1984 (14.5 per 100,000). The monthly number of cases remained fairly uniform throughout the year with the exception of December when the case count fell below 100.

The age groups with the highest case rates were the 25-29 and the 20-24 year olds (37.5 and 36.1 per 100,000 respectively).

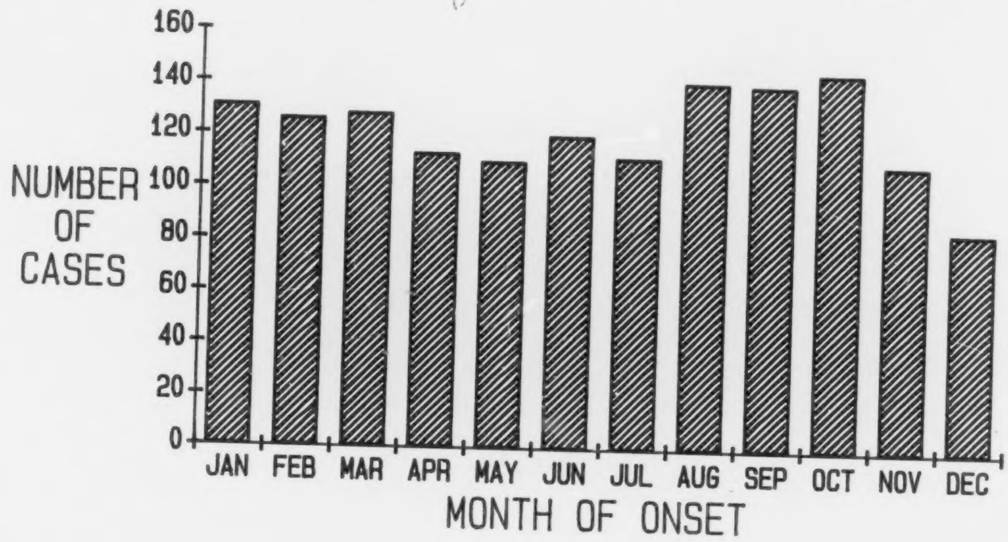
Hepatitis B infections were reported from all but 11 of Florida's 67 counties. The highest rate was observed in Union county (65.3 per 100,000).

HEPATITIS B - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

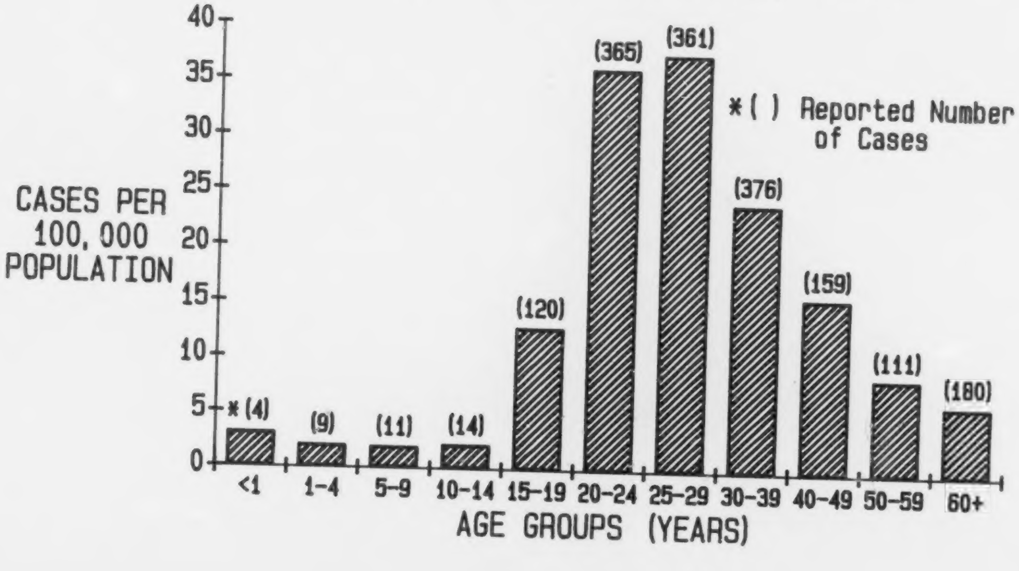
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR. * MEAN
I	Escambia	1	4	2			2	1	1	1	3	1		7	23	8.6	9.3
	Okaloosa	1	2	1	3		4		1	2	2	1	1		18	13.1	11.0
	Santa Rosa					1								1	2	3.1	9.6
	Walton	2													2	7.7	9.6
II	Bay	1					1	1	1			1	1		6	5.0	4.1
	Calhoun													1	1	10.5	10.8
	Franklin															0.0	0.0
	Gadsden	3	2		2	1	1		3	4	4				20	44.3	12.9
	Gulf												1		1	8.8	6.0
	Holmes										1				1	6.4	0.0
	Jackson	1	1	1			2					1			6	14.6	7.5
	Jefferson															0.0	0.0
	Leon	2	1	1	1	1	2	3	1	3	3	2	2		22	13.0	8.9
	Liberty															0.0	15.0
	Madison	1	1												2	12.8	6.5
	Taylor					1	1								2	11.1	22.6
	Wakulla								1	1	1				3	22.6	21.3
	Washington															0.0	0.0
III	Alachua			1	1		2	1	1				2		~~8~~	4.6	7.7
	Bradford		1											2	3	12.7	2.8
	Citrus	1		1	1					1		1			5	6.8	10.0
	Columbia															0.0	3.4
	Dixie													2	2	21.5	0.0
	Gilchrist															0.0	0.0
	Hamilton								1		1	1			3	32.4	10.9
	Hernando	2					1	2			1			1	7	10.1	5.3
	Lafayette															0.0	0.0
	Lake		4	4		3	1	3	2				3	5	25	19.9	6.1
	Levy										1				1	4.4	4.5
	Marion	5	3	1				3		2	1	3	3	5	26	16.3	10.8
	Putnam			2										4	6	10.5	7.2
	Sumter		1	2		1	1						1	3	9	32.6	18.7
	Suwannee															0.0	5.3
	Union						1		3		2	1			7	65.3	70.0
IV	Baker											1			1	5.7	1.9
	Clay		1							1	1	1			4	4.6	10.4
	Duval	13	7	10	12	12	4	5	13	12	12	6	4	38	148	23.6	15.3
	Flagler													1	1	6.1	0.0
	Nassau		2		1							1			4	9.9	8.8
	St. Johns	4	4	4	5	7	3	2	9	2	2	1	1		44	63.0	24.7
	Volusia	4	6	3	3	5	6	5	9	8	4	5	4	33	95	30.7	22.1
V	Pasco	2	1		4	3	3	3	1	1	2	1	2		23	9.8	11.4
	Pinellas	8	5	5	11	7	9	8	9	9	6	7	6	2	92	11.4	12.2
VI	Hardee															0.0	27.4
	Highlands															0.0	0.0
	Hillsborough	14	13	8	5	6	4	11	8	12	12	11	6	1	111	14.7	12.6
	Manatee	1	5	1	2		3	4	7	1	3	1		8	36	20.9	22.6
	Polk	8	3	6	4	6	3	1	3	3	3	2	5	6	53	14.4	15.2
VII	Brevard	4		5	1	3	3	5	2	4	5	4	4	3	43	12.5	10.4
	Orange	9	8	13	14	7	13	8	16	9	19	10	8	13	147	26.3	27.4
	Osceola		3	1	1		2		3	1		2		1	14	17.7	23.4
	Seminole	3	2	2	2	2	4	4	2	6	5	3	3	3	41	17.6	16.8
VIII	Charlotte					1		2	2	3	1			2	11	13.8	4.9
	Collier			2	1	2		1	1	2	2	1		4	16	13.7	22.9
	DeSoto		1			1	2		2		1				7	32.2	15.7
	Glades															0.0	0.0
	Hendry	1			1			2			1				5	21.8	10.7
	Lee	6	3	3	4	5	4	2	2	8	3	3	4	26	73	27.3	25.0
	Sarasota	1	1					1						43	46	19.2	16.4
IX	Indian River	1													1	1.3	12.9
	Martin	2	2	1			3		2	2	2			1	15	18.3	16.6
	Okeechobee													1	1	4.0	13.8
	Palm Beach	7	9	17	9	11	11	7	10	7	9	4	6	1	108	15.0	17.3
	St. Lucie		1	1	2	3	2	1	4	4	1	1			20	17.0	10.3
X	Broward	12	18	22	15	16	14	14	14	16	19	21	10	8	199	17.6	17.8
XI	Dade	7	9	7	5	4	7	12	5	14	12	12	5	34	133	7.5	7.5
	Monroe	4	2	1	3	1	1		2	1			3	7	25	35.1	32.9
STATE TOTAL		131	126	128	113	110	120	112	141	140	145	110	85	267	1728	15.2	13.9

*1982-1984 Average rate

HEPATITIS B - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



HEPATITIS B - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



HEPATITIS NON-A, NON-B
ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS

In 1985, 106 cases of non-A non-B (NANB) hepatitis associated with blood or blood products were reported to the state, as compared with 98 cases reported in 1984. The case rate in 1985 was the same as for 1984 (0.9 per 100,000). The age group with the highest case rate was the 60+ year olds (2.0 per 100,000), followed by the 25-29 year age group (1.3 per 100,000). This is a direct contrast to 1984, where the highest case rates were seen in those individuals aged 20-29. Sex differences were not significant

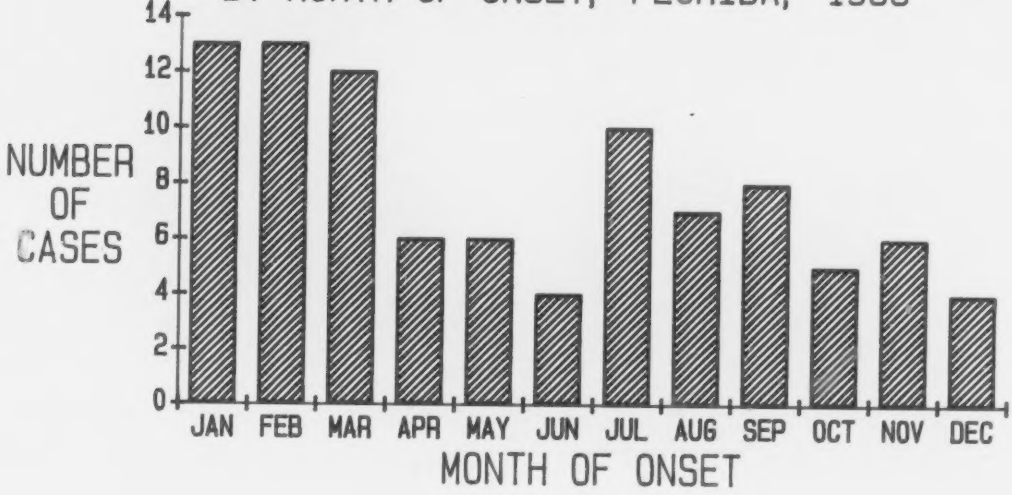
Cases of hepatitis NANB associated with blood or blood products were reported from 29 of Florida's 67 counties. The highest rate was observed in Baker County (23.0 per 100,000).

HEPATITIS NON-A, NON-B (ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS) - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

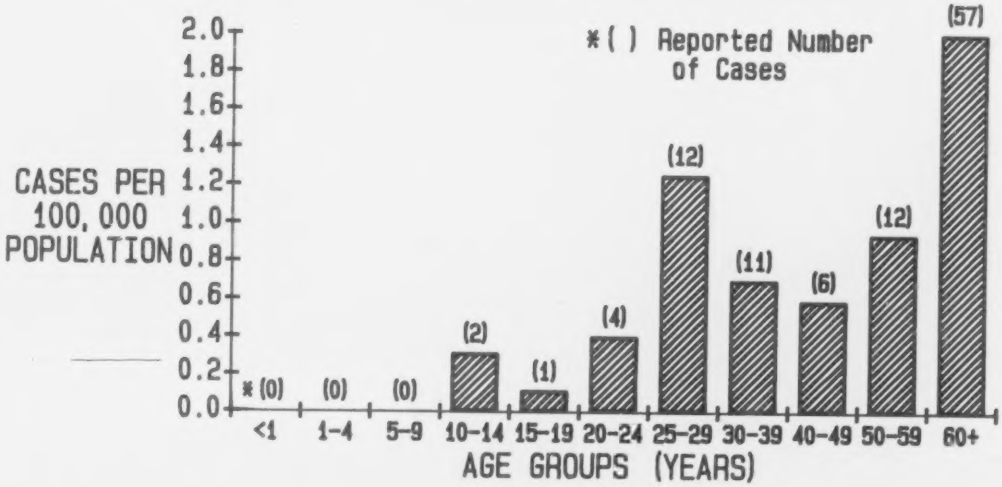
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR. * MEAN
I	Escambia															0.0	0.0
	Okaloosa															0.0	0.0
	Santa Rosa															0.0	0.0
	Walton		1												1	3.9	2.8
II	Bay															0.0	0.0
	Calhoun															0.0	0.0
	Franklin															0.0	0.0
	Gadsden		1												1	2.2	0.0
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson															0.0	0.0
	Jefferson															0.0	0.0
	Leon										1				1	0.6	0.2
	Liberty															0.0	0.0
	Madison															0.0	0.0
	Taylor															0.0	0.0
	Wakulla															0.0	0.0
	Washington															0.0	0.0
III	Alachua			2											2	1.1	0.0
	Bradford															0.0	0.0
	Citrus															0.0	1.0
	Columbia															0.0	0.9
	Dixie															0.0	0.0
	Gilchrist															0.0	0.0
	Hamilton															0.0	0.0
	Hernando															0.0	0.0
	Lafayette															0.0	0.0
	Lake					1									1	0.8	1.1
	Levy															0.0	0.0
	Marion		1												1	0.6	0.7
	Putnam															0.0	0.0
	Sumter															0.0	0.0
	Suwannee															0.0	2.7
	Union															0.0	0.0
IV	Baker		3						1						4	23.0	3.9
	Clay			2									2		4	4.6	0.8
	Duval	2					1	1	1	1				1	7	1.1	1.2
	Flagler															0.0	0.0
	Nassau					1									1	2.5	0.0
	St. Johns							1			1				2	2.9	0.5
	Volusia	1	1	2										1	5	1.6	0.9
V	Pasco										2	2			4	1.7	0.4
	Pinellas	2	3	2	1		1	1		2		1		1	14	1.7	0.6
VI	Hardee															0.0	0.0
	Highlands															0.0	0.0
	Hillsborough									1					1	0.1	0.5
	Manatee															0.0	0.0
	Polk			2		1						1			4	1.1	0.3
VII	Brevard								2					1	3	0.9	0.5
	Orange	1	1			2				1				2	7	1.3	0.4
	Osceola													1	1	1.3	1.9
	Seminole						1								1	0.4	1.2
VIII	Charlotte															0.0	0.0
	Collier	1			1					1			1		4	3.4	0.0
	DeSoto															0.0	1.6
	Glades															0.0	0.0
	Hendry															0.0	3.1
	Lee		1				1	1						1	4	1.5	1.4
	Sarasota				1									1	2	0.8	0.3
IX	Indian River				2										2	2.6	0.9
	Martin							1		1		1			3	3.7	6.8
	Okeechobee															0.0	0.0
	Palm Beach								1						1	0.1	1.7
	St. Lucie							2	1						3	2.5	0.0
X	Broward	4	1	2	1	1		3	1	1	1	1	1		17	1.5	1.9
XI	Dade	2												3	5	0.3	0.3
	Monroe															0.0	0.5
STATE TOTAL		13	13	12	6	6	4	10	7	8	5	6	4	12	106	0.9	0.8

*1982-1984 Average rate

HEPATITIS NON-A, NON-B (ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS) - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



HEPATITIS NON-A, NON-B (ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS) - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



HEPATITIS NON-A, NON-B
NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS

In 1985, 250 cases of non-A non-B (NANB) hepatitis not associated with blood or blood products were reported to the state, representing a 3% increase from the total number of cases reported in 1984 (243). The case rate in 1985 remained the same as the rate in 1984 (2.2 per 100,000).

The age groups with the highest case rates were the 25-29 year olds and the 20-24 years olds (7.9 and 4.1 per 100,000, respectively).

Cases of hepatitis NANB not associated with blood or blood products were observed in 32 of Florida's 67 counties. The highest rates were reported from Wakulla (22.6 per 100,000) and Orange (10.7 per 100,000) counties.

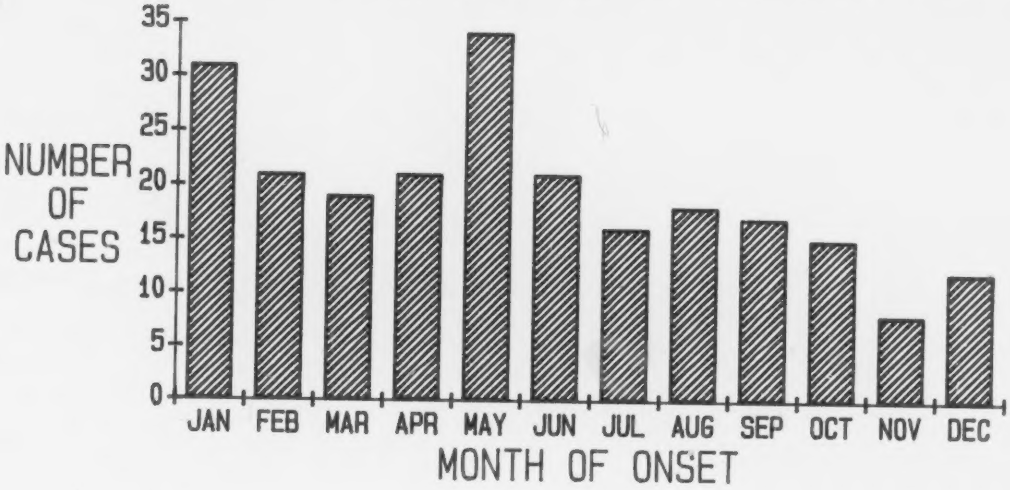
Documented non-blood transmission (i.e.,fecal/oral and water borne) of NANB hepatitis virus has not been noted in the United States. The age group peak incidence and Winter/Spring bi-seasonal peaks of these cases suggests probable undocumented blood borne transmission. A prospective study of this question is planned.

HEPATITIS NON-A, NON-B (NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS) - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

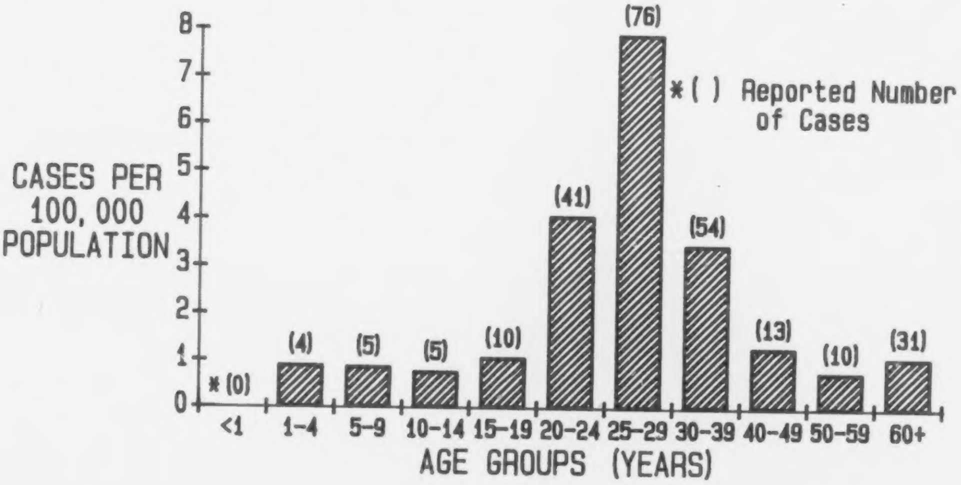
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR.* MEAN
I	Escambia				1										1	0.4	0.3
	Okaloosa			1											1	0.7	0.5
	Santa Rosa	1													1	1.6	1.1
	Walton															0.0	0.0
II	Bay															0.0	0.0
	Calhoun															0.0	0.0
	Franklin															0.0	0.0
	Gadsden															0.0	0.0
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson															0.0	0.0
	Jefferson															0.0	0.0
	Leon						2								2	1.2	3.0
	Liberty															0.0	0.0
	Madison															0.0	0.0
	Taylor															0.0	0.0
	Wakulla		1						1					1	3	22.6	13.3
	Washington															0.0	0.0
III	Alachua	1	2												3	1.7	1.6
	Bradford															0.0	0.0
	Citrus		1					1							2	2.7	0.0
	Columbia								1						1	2.5	0.0
	Dixie															0.0	0.0
	Gilchrist															0.0	0.0
	Hamilton															0.0	0.0
	Hernando															0.0	0.0
	Lafayette															0.0	0.0
	Lake															0.0	0.0
	Levy															0.0	0.3
	Marion	1				1									2	1.3	1.1
	Putnam															0.0	0.0
	Sumter								1						1	3.6	0.0
	Suwannee															0.0	5.3
	Union					1									1	9.3	0.0
IV	Baker															0.0	0.0
	Clay															0.0	0.0
	Duval		1				1					1	1	1	5	0.8	0.6
	Flagler															0.0	4.4
	Nassau					1	1								2	5.0	0.0
	St. Johns			2											2	2.9	1.0
	Volusia	2		1	2	1		1	1				1		9	2.9	4.8
V	Pasco	2		1				1			1	1			6	2.5	2.8
	Pinellas	3	1	1	2	1	1	1	3	3	1		2		19	2.4	2.5
VI	Hardee															0.0	0.0
	Highlands															0.0	0.0
	Hillsborough	2	2	4	1	10	3	1			1		1	1	26	3.4	1.4
	Manatee					1	1	1	1		1				5	2.9	0.2
	Polk		1		1	1		1	1	1		1			7	1.9	0.2
VII	Brevard			1							1				2	0.6	2.1
	Orange	5	6	3	3	8	7	1	7	7	5	3	5		60	10.7	10.3
	Osceola				1	1	1	2							5	6.3	1.9
	Seminole							1	1	2	2		1	1	8	3.4	0.0
VIII	Charlotte															0.0	0.0
	Collier	1													1	0.9	1.2
	DeSoto															0.0	0.0
	Glades															0.0	0.0
	Hendry															0.0	0.0
	Lee	2										1			3	1.1	2.1
	Sarasota		1		1									10	12	5.0	3.7
IX	Indian River															0.0	0.0
	Martin	1												1	2	2.4	4.2
	Okeechobee															0.0	0.0
	Palm Beach	4	4	4	3	5	3	1	1	2	2		1		30	4.2	5.9
	St. Lucie			1		1		1							3	2.5	1.8
X	Broward	2	1		1	1	1	3		1					10	0.9	1.7
XI	Dade	4			5	1				1	1	1		2	15	0.8	0.7
	Monroe															0.0	1.5
STATE TOTAL		31	21	19	21	34	21	16	18	17	15	8	12	17	250	2.2	2.1

*1982 - 1984 Average rate

HEPATITIS NON-A, NON-B (NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS) - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



HEPATITIS NON-A, NON-B (NOT ASSOCIATED WITH BLOOD OR BLOOD PRODUCTS) - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



HEPATITIS UNSPECIFIED

In 1985, 291 cases of hepatitis unspecified were reported to the state, which represents a 17% increase from the total number of cases reported in 1984 (248). The case rate in 1985 (2.6 per 100,000) increased by 13% from the rate in 1984 (2.3).

The highest age-specific case rates occurred among the 20-24 year olds and the 25-29 year olds (6.7 and 6.6 per 100,000, respectively). A Winter/Summer seasonal trend was noticed by month of onset.

Cases of unspecified hepatitis were reported from 34 of Florida's 67 counties. The highest rates were observed in Union (28.0 per 100,000) and Bradford (12.7 per 100,000) counties.

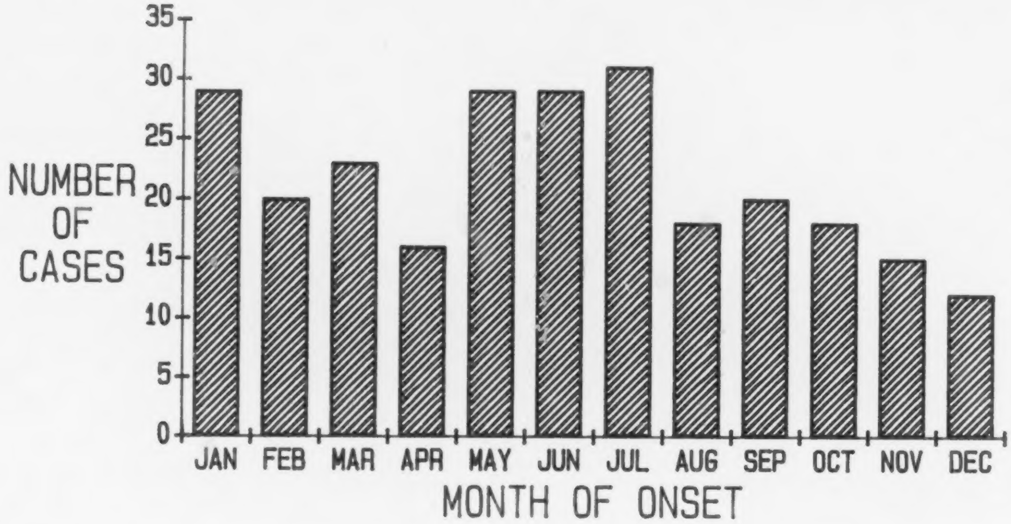
Again the seasonal and age peak incidence suggests probable blood-borne NANB hepatitis accounts for a significant number of these cases. A prospective study is planned to investigate this question.

HEPATITIS UNSPECIFIED - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

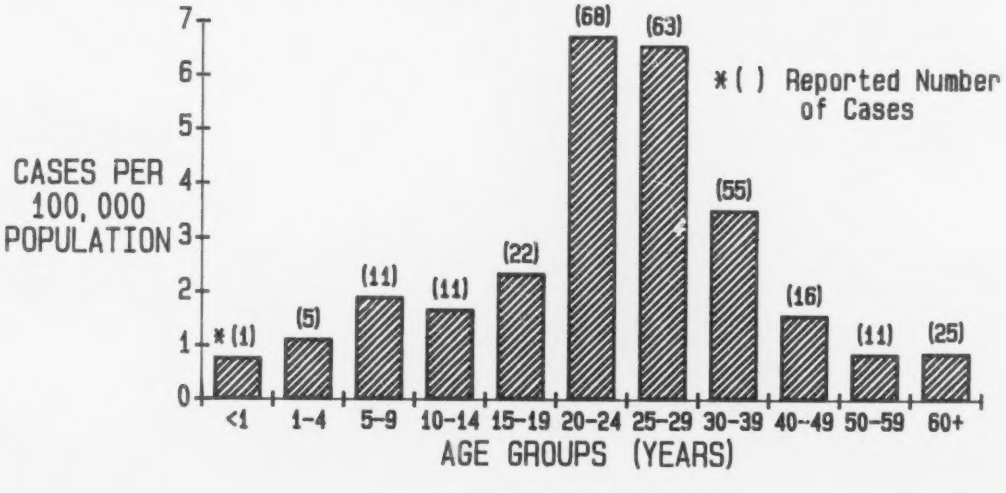
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR.* MEAN
I	Escambia													1	1	0.4	0.0
	Okaloosa															0.0	0.0
	Santa Rosa															0.0	1.1
	Walton													1	1	3.9	2.8
II	Bay			1			1							1	3	2.5	1.8
	Calhoun															0.0	0.0
	Franklin															0.0	0.0
	Gadsden		1						1						2	4.4	0.0
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson					1									1	2.4	5.8
	Jefferson															0.0	0.0
	Leon			1		1		3		1	2				8	4.7	4.3
	Liberty															0.0	0.0
	Madison															0.0	2.2
	Taylor			1											1	5.6	5.6
	Wakulla															0.0	5.3
	Washington															0.0	0.0
III	Alachua															0.0	0.2
	Bradford		1							2					3	12.7	0.0
	Citrus					1	1								2	2.7	1.0
	Columbia															0.0	0.0
	Dixie															0.0	0.0
	Gilchrist															0.0	0.0
	Hamilton															0.0	0.0
	Hernando															0.0	0.0
	Lafayette															0.0	0.0
	Lake	1	4	1		1									7	5.6	3.0
	Levy															0.0	0.0
	Marion				2			1						1	4	2.5	0.9
	Putnam															0.0	0.0
	Sumter															0.0	2.5
	Suwannee															0.0	1.3
	Union								2		1				3	28.0	3.2
IV	Baker															0.0	0.0
	Clay	1		1							1				3	3.5	0.0
	Duval	3			2		1	3	1				2		12	1.9	0.9
	Flagler															0.0	0.0
	Nassau										1				1	2.5	1.8
	St. Johns					1									1	1.4	1.5
	Volusia			1	1	1					1	1	2	1	8	2.6	1.1
V	Pasco			1			1	1	1			1			5	2.1	0.6
	Pinellas		1		1	3	1	1	2	1	2	1	1		14	1.7	0.8
VI	Hardee					1									1	4.7	9.7
	Highlands															0.0	0.0
	Hillsborough	2	1	2	1	2	5	3	1	2		3	3	2	27	3.6	2.6
	Manatee	4	1			1									6	3.5	5.6
	Polk	6	2	6	3	3	4	2	2	3		3		2	36	9.8	10.4
VII	Brevard															0.0	0.9
	Orange	1		1	1	6	5	7	4		7	2	1		35	6.3	5.4
	Osceola															0.0	0.5
	Seminole	1													1	0.4	3.5
VIII	Charlotte															0.0	0.0
	Collier		1						1		1	1			4	3.4	4.8
	DeSoto								1						1	4.6	1.6
	Glades															0.0	0.0
	Hendry															0.0	4.6
	Lee													1	1	0.4	3.9
	Sarasota							4						15	19	7.9	2.1
IX	Indian River			1										1	2	2.6	12.5
	Martin			1	1	1									3	3.7	0.4
	Okeechobee															0.0	0.0
	Palm Beach				1		1	2					1		5	0.7	1.8
	St. Lucie															0.0	1.5
X	Broward	9	7	4	3	7	8	3	2	9	2	2	2	1	59	5.2	4.4
XI	Dade	1	1	1				1		2		1		4	11	0.6	1.1
	Monroe															0.0	3.4
STATE TOTAL		29	20	23	16	29	29	31	18	20	18	15	12	31	291	2.6	2.4

*1982-1984 Average rate

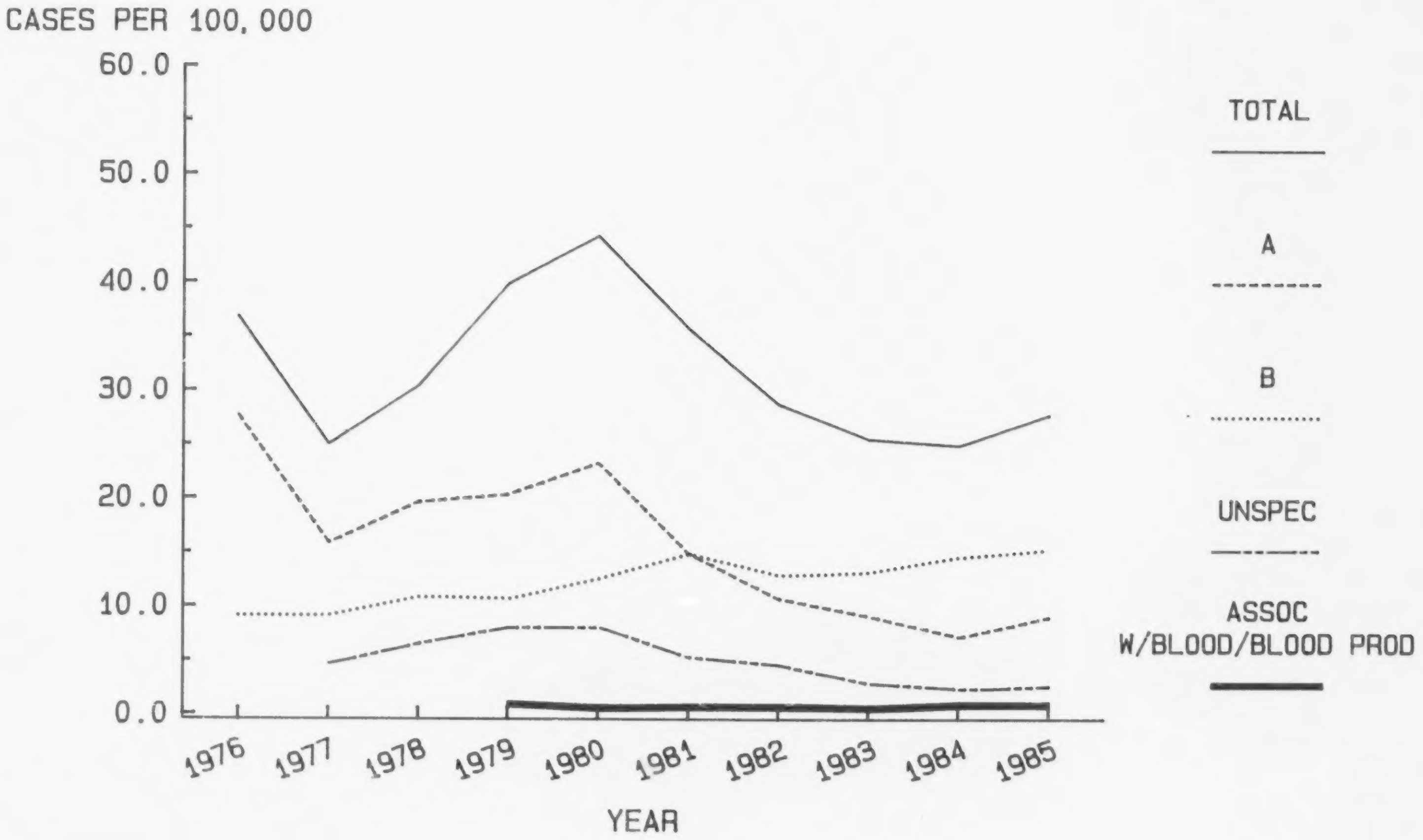
HEPATITIS UNSPECIFIED - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



HEPATITIS UNSPECIFIED - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



HEPATITIS-REPORTED CASE RATES BY YEAR
FLORIDA 1976-1985



CAMPYLOBACTERIOSIS

In 1985, 1,673 cases of campylobacteriosis were reported to the state. The case rate per 100,000 population was 14.7. This rate represents an increase of 31% over the 1984 rate (11.2 per 100,000).

The highest age-specific incidence rate per 100,000 was in the less than 1 year old age group (58.7) followed by those aged 1-4 (50.6). A second though smaller peak is noted in the 20-24 year old (24.8) and 25-29 year old (23.2) age groups. Rates for other age groups remained significantly lower.

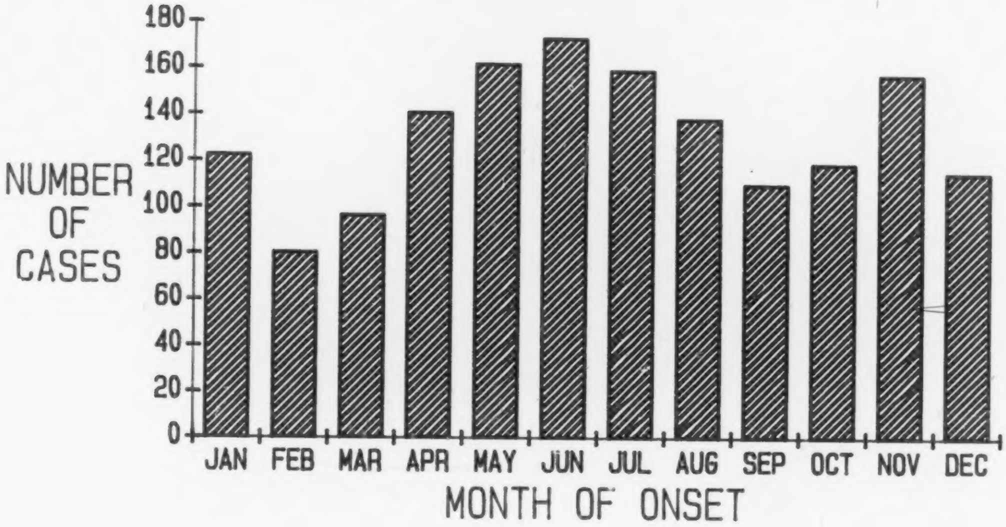
The number of reported cases by month of onset were highest during the period April through August, and again during November. Cases of campylobacteriosis were reported from all but 16 of Florida's 67 counties. The highest rates were observed in Martin (75.7 per 100,000), Leon (63.6 per 100,000), and Columbia (50.5 per 100,000) counties.

CAMPYLOBACTERIOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

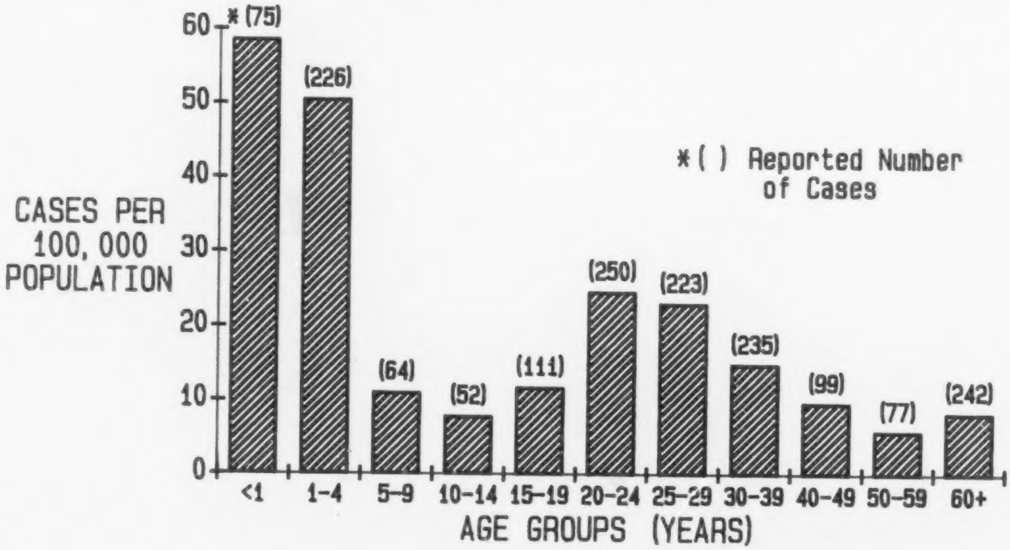
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR. * MEAN
I	Escambia	1			2	4	4				2	3	3	3	22	8.3	1.0
	Okaloosa	2													2	1.5	3.1
	Santa Rosa			1	1			1				1	4		8	12.5	8.0
	Walton															0.0	0.0
II	Bay	1											2		3	2.5	7.6
	Calhoun													1	1	10.5	0.0
	Franklin															0.0	8.1
	Gadsden	2		1		1	1					1			6	13.3	3.0
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson															0.0	0.0
	Jefferson			1											1	8.6	8.7
	Leon	7	10	5	17	11	13	6	3	11	6	15	4		108	63.6	49.6
	Liberty							1							1	22.0	0.0
	Madison		1									1			2	12.8	6.5
	Taylor							2							2	11.1	5.6
	Wakulla		1												1	7.5	29.3
	Washington															0.0	0.0
III	Alachua	6	7	9	8	9	8	4	5	2	3	5	9	3	78	44.8	29.0
	Bradford															0.0	0.0
	Citrus								1						1	1.4	5.2
	Columbia			1		2	1	4	4	3		1	1	3	20	50.5	7.7
	Dixie															0.0	0.0
	Gilchrist					1								1	2	28.2	4.7
	Hamilton	1											1		2	21.6	0.0
	Hernando															0.0	0.0
	Lafayette															0.0	23.0
	Lake		2				1	1	2	2				1	9	7.2	3.6
	Levy									1				2	3	13.3	6.0
	Marion	5	1	3	3	4	5	3	4	6	5	3	3	9	54	33.8	12.1
	Putnam	2		2	2	1		3	1	4	1		2	2	20	35.0	25.7
	Sumter				1										1	3.6	2.5
	Suwannee															0.0	1.3
	Union	1					2								3	28.0	0.0
IV	Baker															0.0	0.0
	Clay		1		5	1	1	3	1	1	1	2	1		17	19.7	12.1
	Duval	2	2	1	2	3	3	4	7	2	4	8	4	1	43	6.9	6.6
	Flagler															0.0	0.0
	Nassau									1					1	2.5	3.5
	St. Johns	1			4		2	2				1			10	14.3	16.4
	Volusia	5	5	3	2	2	1	1	5	3	2	2	1		32	10.3	9.3
V	Pasco	1	5	1	1	1	1	1	1	5		1			18	7.6	5.4
	Pinellas	4		2	5	4	11	7	8	4	10	6	5		66	8.2	6.5
VI	Hardee			1			1								2	9.4	3.2
	Highlands							1							1	1.7	1.2
	Hillsborough	7	3	9	3	5	14	9	9	11	2	7	5	1	85	11.3	10.4
	Manatee	1		1			2		3	1	1	1			10	5.8	2.0
	Polk	10	1	3	4	8	7	4	13	3	2	3	3	2	63	17.1	12.8
VII	Brevard	1					3	1				1	1		7	2.0	1.6
	Orange	13	2	6	14	18	12	22	8	6	10	12	11		134	23.9	17.6
	Osceola			1	1	2	2		1	2		1		1	11	13.9	7.0
	Seminole				2	6	3	3	2	1	3	6	1	2	29	12.5	1.5
VIII	Charlotte				2		1	1		2	2	1		1	10	12.6	4.4
	Collier	4	4	3	6	4	6	5	3	5	3	5	1		49	41.9	31.6
	DeSoto															0.0	11.0
	Glades															0.0	5.0
	Hendry															0.0	3.1
	Lee	4	1	1	1	1	4	4	3	2	3	1	1		26	9.7	7.8
	Sarasota							1						23	24	10.0	5.6
IX	Indian River					1	1	1							3	3.9	4.0
	Martin	5	1	5	7	9	3	6	4	4	4	10	2	2	62	75.7	52.6
	Okeechobee							1						2	3	12.1	1.4
	Palm Beach	19	12	15	23	30	18	24	19	8	15	23	20	6	232	32.2	17.9
	St. Lucie	1	2	1	1	1	4	4	1	1	1	1			18	15.3	8.3
X	Broward	11	8	14	14	14	27	13	13	5	13	21	9	4	166	14.7	14.5
XI	Dade	6	11	7	10	19	11	16	17	14	25	14	21	28	199	11.3	5.6
	Monroe		1								1				2	2.8	0.5
STATE TOTAL		123	81	97	141	162	173	159	138	110	119	157	115	98	1673	14.7	10.0

*1982-1984 Average rate

CAMPYLOBACTERIOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



CAMPYLOBACTERIOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



SALMONELLOSIS

In 1985, 2,513 cases of salmonellosis were reported to the state. This represents a 35% increase from the total number of cases reported in 1984 (1,859). The case rate in 1985 (22.1 per 100,000) was 31% higher than the rate in 1984 (16.9 per 100,000). There was a dramatic Spring through Fall seasonal increase in cases beginning in May and peaked in October. The least number of cases occurred in January and February.

The highest age-specific incidence rate per 100,000 population was in the less than 1 year old age group (368.8) followed by those aged 1-4 (193.5). The case rate then decreased rapidly with increasing age.

Salmonellosis was reported from all but 5 of Florida's 67 counties. The highest rates per 100,000 population were observed in Calhoun (105.1), Sumter (105.0), Wakulla (90.3), and Desoto (87.5) counties.

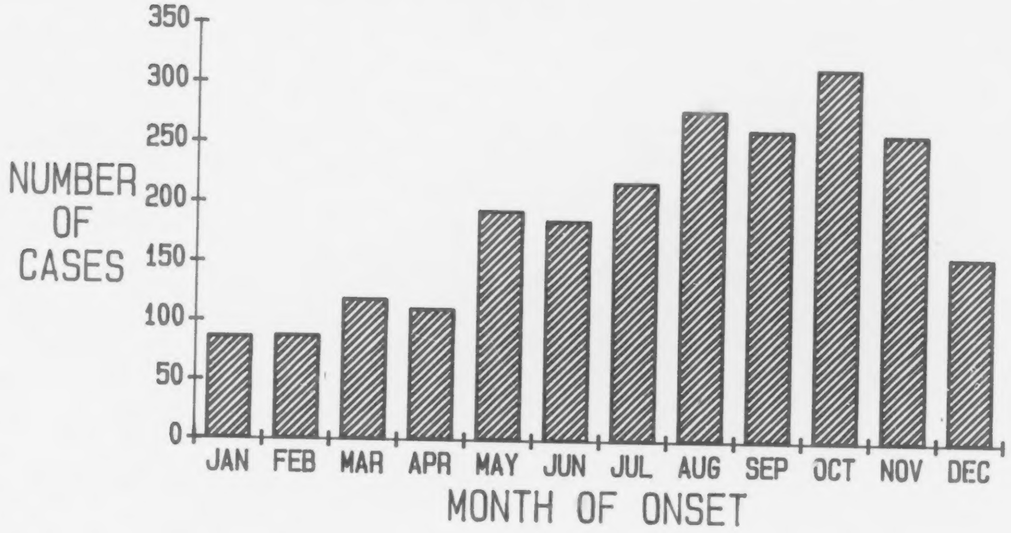
Usually food/water-borne, this disease serves as a marker for inadequate sanitary practices in food preparation (i.e., "too warm or not hot enough") either in the home or food service industry.

SALMONELLOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

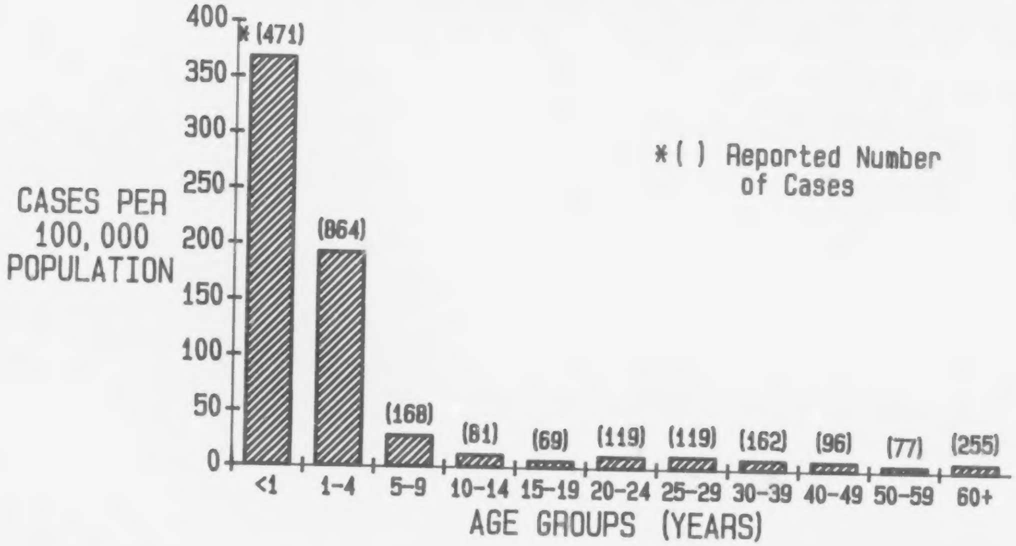
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR.* MEAN
I	Escambia	3		2	1	4	5	7	8	9	10	1	1	15	66	24.8	12.4
	Okaloosa			1			1	3	1	2			2		10	7.3	8.5
	Santa Rosa	1	1	1			1	1	2			3			10	15.7	15.0
	Walton				2		1	1		1	2		1		8	30.9	6.9
II	Bay	2	3	5	2	3	6	5	9	10	16	1	2	3	67	55.5	51.6
	Calhoun												2	8	10	105.1	25.1
	Franklin															0.0	0.0
	Gadsden	1			2	1	4	4		2					14	31.0	30.4
	Gulf															0.0	12.0
	Holmes															0.0	0.0
	Jackson	1		1					2	1			2		7	17.1	8.4
	Jefferson						1	1							2	17.3	14.6
	Leon	6	6	3	1	12	9	14	10	11	17	15	9	1	114	67.2	60.1
	Liberty					1				1		1			3	66.0	29.9
	Madison								1	1	2				4	25.5	4.3
	Taylor				1				1	1	2		1		6	33.4	47.1
	Wakulla	1		1	1		1	1		1	2		1	3	12	90.3	34.6
	Washington						1	1				1			3	20.0	22.4
III	Alachua		4	4	2	1	6	9	6	8	5	7	4	17	73	41.9	25.8
	Bradford													1	1	4.2	17.0
	Citrus		1	1		1		2	1	2	2	1	1		12	16.4	20.0
	Columbia			1		1			1	1	2	1	1	3	11	27.8	35.1
	Dixie								1						1	10.8	14.4
	Gilchrist															0.0	28.2
	Hamilton										1		1		2	21.6	7.3
	Hernando					1	1		6	1			1		10	14.5	12.7
	Lafayette									1		1			2	44.2	15.3
	Lake		1		3	12	3	1	2		5	6		1	34	27.1	6.3
	Levy					1			3	1					5	22.1	24.1
	Marion		3	3	2	6	4	1	9	7	1	4	1	9	50	31.3	16.1
	Putnam		1	1	1	3	1	4	3	1	3	6	2	2	28	49.0	56.9
	Sumter	2			1	9		2	1		7	1		6	29	105.0	12.5
	Suwannee															0.0	8.0
	Union												1	1	2	18.7	6.4
IV	Baker				1			2			1			1	5	28.7	17.5
	Clay		1			1	2	3	2	4	5	3	2		23	26.6	25.4
	Duval	4	10	4	6	13	7	20	14	16	16	17	5	17	149	23.8	26.9
	Flagler		1											1	2	12.2	8.8
	Nassau	2	1	2		2		2	1	1	1		1		13	32.3	12.2
	St. Johns				1		3		5	2	1	1	3		16	22.9	18.5
	Volusia	4	4	4	2	10	9	13	19	9	23	17	8	6	128	41.3	35.1
V	Pasco	1	1	2	2	8	3	3	3	3	6	6	4		42	17.8	18.4
	Pinellas	6	3	5	3	7	8	12	8	8	11	10	3		84	10.4	10.4
VI	Hardee						1					2		3	6	28.2	8.1
	Highlands				1	1					2	1		1	6	10.2	17.7
	Hillsborough	3	2	6	1	6	8	14	17	16	14	11	7		105	13.9	12.2
	Manatee		1	4	3	8	3	3	3	4	4	2	4	4	43	25.0	12.8
	Polk	4	2	6	8	8	14	4	21	32	23	21	17	28	188	51.0	34.0
VII	Brevard	2	8	2	5	5	4	7	11	8	6	18	5		81	23.6	17.8
	Orange	6	6	8	9	9	11	15	19	14	27	23	13	3	163	29.1	24.4
	Osceola		1	1	2	2	3		4	2	4	5	1	2	27	34.2	32.7
	Seminole	1		4	2	6	5	3	4	8	11	3	9	7	63	27.1	21.0
VIII	Charlotte	1			2	2	2	4	4	4	2	3	1		25	31.4	22.6
	Collier	1	1	2	3		4	2	5	5		7	6	2	38	32.5	36.1
	DeSoto		1	1	1	1	3	2	2	1	4	2	1		19	87.5	54.8
	Glades							1				1			2	28.7	10.1
	Hendry			1			1	2			1	1			6	26.2	32.1
	Lee	5		1	2	1	2	2	6	4	7	1	4	5	40	14.9	15.5
	Sarasota				2	2	2	4	1		3			33	47	19.6	13.3
IX	Indian River	1	1	2	1			1	2	1					9	11.6	9.8
	Martin			1		2	3	2	3	6	8	5	4	1	35	42.7	23.8
	Okeechobee				1		2		2		4	2		5	16	64.5	13.8
	Palm Beach	19	5	17	13	12	10	11	21	27	23	7	14	7	186	25.8	20.8
	St. Lucie	1	1	2	1	2	2	1	1		3	1			15	12.7	16.8
X	Broward	7	10	8	11	15	11	14	17	15	15	17	5	17	162	14.3	14.9
XI	Dade	2	8	12	9	15	18	14	16	9	12	22	7	27	171	9.7	9.4
	Monroe									1		1			2	2.8	2.9
STATE TOTAL		87	88	119	111	194	186	218	278	262	314	259	157	240	2513	22.1	18.3

*1982-1984 Average rate

SALMONELLOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



SALMONELLOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



SHIGELLOSIS

In 1985, 1,317 cases of shigellosis were reported to the state. This represents a 27.6% increase from the total number of cases reported in 1984 (1,032). The case rate in 1985 (11.6 per 100,000) increased by 23% from the rate in 1984 (9.4).

The seasonal trend was bimodal, peaking in June and October.

Children aged 1-4 had the highest reported rate of illness (124.3), which represents a 19% increase from the 1984 rate (104.7). This is the third consecutive annual increase in incidence in this age group (62.1 in 1983 and 104.7 in 1984). The next highest rate was observed in the 5-9 year old age group (38.5). Case rates were relatively low for the remaining age groups.

Shigellosis cases were reported from all but 21 of Florida's 67 counties. The highest rates per 100,000 population were observed in Desoto (101.3) and Charlotte (72.8) counties.

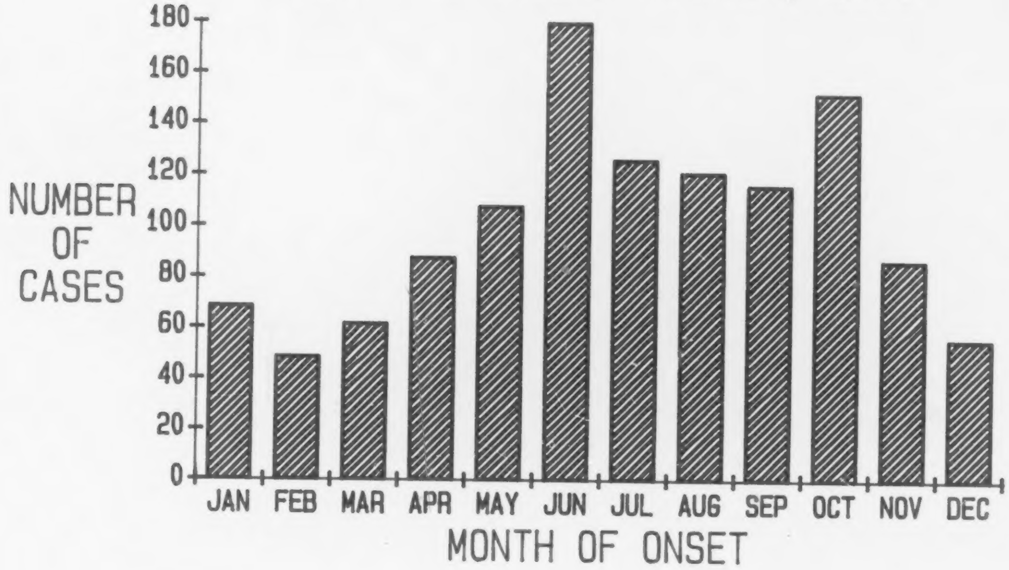
Usually spread person to person via fecal/oral route, this disease serves as a marker for day care crowding and/or inadequate personal hygiene facilities/practices.

SHIGELLOSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

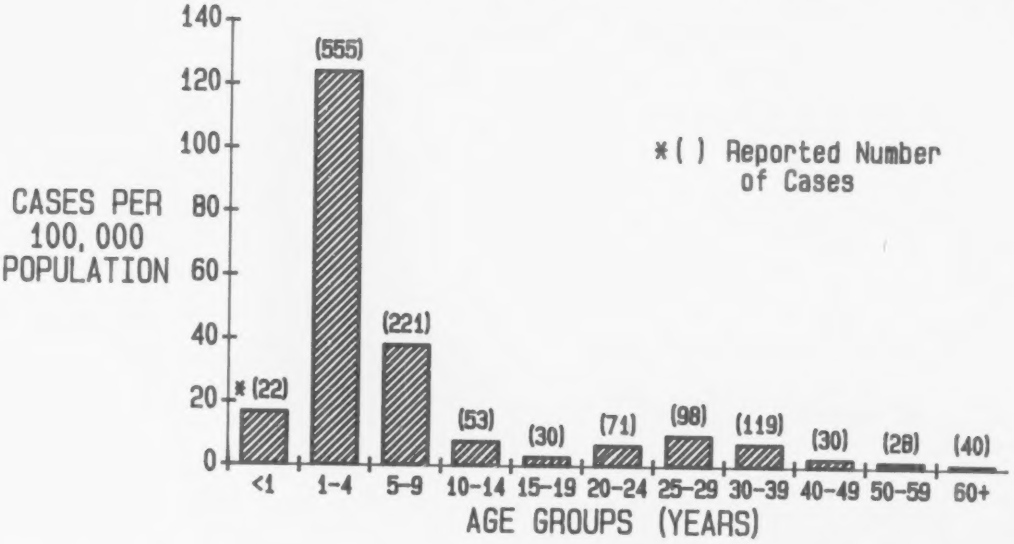
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR.* MEAN
I	Escambia						1	1				1	2		5	1.9	1.8
	Okaloosa															0.0	0.5
	Santa Rosa															0.0	0.5
	Walton															0.0	0.0
II	Bay	3	5	1	2										11	9.1	4.4
	Calhoun															0.0	10.8
	Franklin															0.0	0.0
	Gadsden							2			2				4	8.9	12.1
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson					2	6	3							11	26.8	3.3
	Jefferson															0.0	14.6
	Leon			1		6	3	4	3	2	31	10	10	6	76	44.8	15.2
	Liberty															0.0	0.0
	Madison						1			1			2		4	25.5	0.0
	Taylor								2	3					5	27.9	7.5
	Wakulla		2		1					4				1	8	60.2	0.0
	Washington															0.0	0.0
III	Alachua	6	6	4	6		1	5	9	20	1	4		14	76	43.6	28.4
	Bradford															0.0	18.4
	Citrus								1						1	1.4	3.3
	Columbia					1				1	1	2			5	12.6	9.4
	Dixie															0.0	7.2
	Gilchrist								1		1				2	28.2	103.3
	Hamilton															0.0	3.6
	Hernando				1						1				2	2.9	1.1
	Lafayette									1					1	22.1	0.0
	Lake	3			1	1		4	1		1			4	15	12.0	6.3
	Levy								1	1					2	8.8	3.0
	Marion	8		3	3	2		1	4	1			2	9	33	20.6	22.3
	Putnam															0.0	0.0
	Sumter															0.0	0.0
	Suwannee															0.0	6.2
	Union															0.0	0.0
IV	Baker									1			1		2	11.5	21.4
	Clay		3												3	3.5	7.9
	Duval	7	4	4	7	7	7	14	7	3	23	3	1	3	90	14.4	8.3
	Flagler															0.0	0.0
	Nassau											1			1	2.5	7.0
	St. Johns					2									2	2.9	3.6
	Volusia	1	1					5	1			1		1	10	3.2	2.0
V	Pasco				4	14	9	5	1	2	1	1			37	15.7	4.1
	Pinellas		1	3		1	3	9		2	1	1	1		22	2.7	2.6
VI	Hardee			1	1	1	1							2	6	28.2	6.5
	Highlands															0.0	2.4
	Hillsborough	4	4	9	12	14	19	13	10	12	6	3	5		111	14.7	4.2
	Manatee			1	1			2			1	1			6	3.5	4.4
	Polk	4	6	11	11	7	18	12	36	35	43	25	8	16	232	62.9	15.5
VII	Brevard		3		1					1	1	2	1		9	2.6	4.0
	Orange			4	3	2	3	3	4	1	9	10	4	2	45	8.0	23.5
	Osceola							1							1	1.3	103.8
	Seminole	1			2	1			1	2		3	1	1	12	5.2	8.8
VIII	Charlotte				1	1	47	3	3	1			1	1	58	72.8	0.9
	Collier	2	2	1	1	2			3	2	4	1	2		20	17.1	6.9
	DeSoto	3	2	1	2	2	5	6		1					22	101.3	31.3
	Glades															0.0	0.0
	Hendry															0.0	0.0
	Lee					1			2					2	5	1.9	4.7
	Sarasota													4	4	1.7	1.1
IX	Indian River			1											1	1.3	0.9
	Martin					4	1	1		1		1			8	9.8	20.8
	Okeechobee			1						1	2				4	16.1	31.8
	Palm Beach	15	4	2	7	25	36	12	4	1	7	3	2		118	16.4	12.1
	St. Lucie					2						2	1	1	6	5.1	0.3
X	Broward	5	3	9	15	5	8	9	14	9	12	4	5	18	116	10.3	5.8
XI	Dade	7	3	5	6	5	11	10	13	7	4	8	7	18	104	5.9	7.5
	Monroe							1							1	1.4	1.0
STATE TOTAL		69	49	62	88	108	180	126	121	116	152	87	56	103	1317	11.6	8.4

*1982 - 1984 Average rate

SHIGELLOSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



SHIGELLOSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



VIBRIO INFECTIONS

In 1985, there was a total of 46 reported vibrio infections, including Vibrio parahaemolyticus (14 cases), Vibrio vulnificus (12), Vibrio cholerae non-01 (6), Vibrio alginolyticus (6), Vibrio fluvialis (3), Vibrio mimicus (3), Vibrio hollisae (1), and Vibrio cholerae 01 (1).

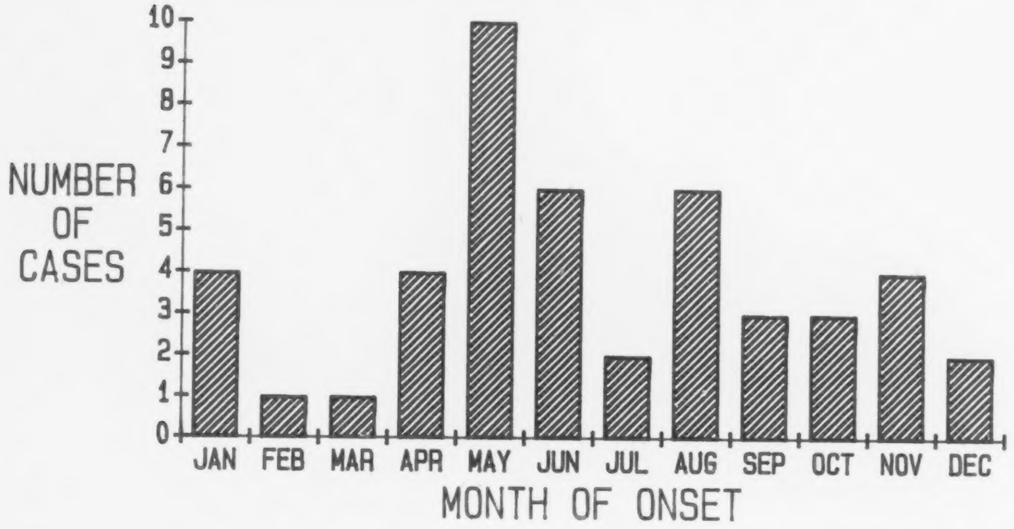
The median age of patients was 43 years. Seventy-two percent of patients were male. The county reporting the most infections was Leon (10), followed by Hillsborough (8) and Palm Beach (8). The month with the peak number of cases was May (10), followed by June and August (6). Fifty percent of the cases were associated with seafood consumption (primarily raw oysters), and thirty percent with wounds.

VIBRIO INFECTIONS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

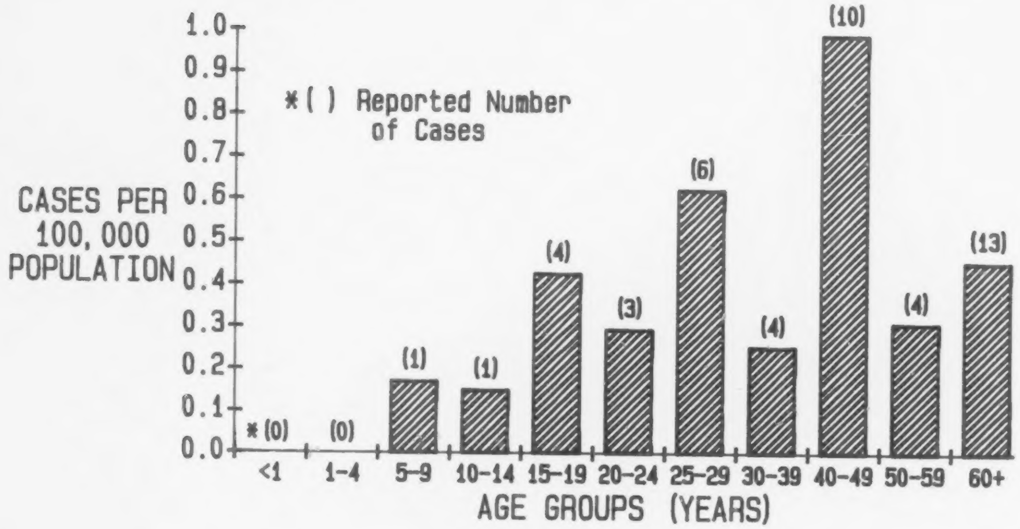
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR. * MEAN
I	Escambia															0.0	--
	Okaloosa															0.0	--
	Santa Rosa															0.0	--
	Walton															0.0	--
II	Bay															0.0	--
	Calhoun															0.0	--
	Franklin															0.0	--
	Gadsden															0.0	--
	Gulf															0.0	--
	Holmes												1		1	6.4	--
	Jackson															0.0	--
	Jefferson															0.0	--
	Leon	4							2	1		3			10	5.9	--
	Liberty															0.0	--
	Madison															0.0	--
	Taylor															0.0	--
	Wakulla									1					1	7.5	--
	Washington															0.0	--
III	Alachua															0.0	--
	Bradford															0.0	--
	Citrus															0.0	--
	Columbia				1										1	2.5	--
	Dixie															0.0	--
	Gilchrist															0.0	--
	Hamilton															0.0	--
	Hernando															0.0	--
	Lafayette															0.0	--
	Lake															0.0	--
	Levy															0.0	--
	Marion															0.0	--
	Putnam															0.0	--
	Sumter															0.0	--
	Suwannee															0.0	--
	Union															0.0	--
IV	Baker															0.0	--
	Clay															0.0	--
	Duval		1												1	0.2	--
	Flagler															0.0	--
	Nassau															0.0	--
	St. Johns															0.0	--
	Volusia					1	2								3	1.0	--
V	Pasco						1								1	0.4	--
	Pinellas															0.0	--
VI	Hardee															0.0	--
	Highlands															0.0	--
	Hillsborough				1	1		1	2		3				8	1.1	--
	Manatee															0.0	--
	Polk			1											1	0.3	--
VII	Brevard						1								1	0.3	--
	Orange															0.0	--
	Osceola															0.0	--
	Seminole															0.0	--
VIII	Charlotte															0.0	--
	Collier											1			1	0.9	--
	DeSoto															0.0	--
	Glades															0.0	--
	Hendry															0.0	--
	Lee															0.0	--
	Sarasota				1	1							1		3	1.2	--
IX	Indian River															0.0	--
	Martin					1									1	1.2	--
	Okeechobee															0.0	--
	Palm Beach				1	5			2						8	1.1	--
	St. Lucie						2								2	1.7	--
X	Broward					1		1		1					3	0.3	--
XI	Dade															0.0	--
	Monroe															0.0	--
STATE TOTAL		4	1	1	4	10	6	2	6	3	3	4	2		46	0.4	--

*Not Available

VIBRIO INFECTIONS - REPORTED CASES
BY MONTH OF ONSET, FLORIDA, 1985



VIBRIO INFECTIONS - REPORTED CASE
RATES BY AGE GROUP, FLORIDA, 1985



VIBRIO INFECTIONS - Reported laboratory confirmed cases, by county, Florida, 1985

COUNTY	Vibrio Alginolyticus	Vibrio Cholerae 01	Vibrio Cholera Non-01	Vibrio Fluvialis	Vibrio Hollisae	Vibrio Mimicus	Vibrio Parahaemolyticus	Vibrio Vulnificus
Alachua								
Baker								
Bay								
Bradford								
Brevard			1					
Broward			1				1	1
Calhoun								
Charlotte								
Citrus								
Clay								
Collier							1	
Columbia								1
Dade								
DeSoto								
Dixie								
Duval			1					
Escambia								
Flagler								
Franklin								
Gadsden								
Gilchrist								
Glades								
Gulf								
Hamilton								
Hardee								
Hendry								
Hernando								
Highlands								
Hillsborough	1				1		4	2
Holmes						1		
Indian River								
Jackson								
Jefferson								
Lafayette								
Lake								
Lee								
Leon	1	1	1	3			2	2
Levy								
Liberty								
Madison								
Manatee								
Marion								
Martin								1
Monroe								
Nassau								
Okaloosa								
Okeechobee								
Orange								
Osceola								
Palm Beach	3		1			2	2	
Pasco								1
Pinellas								
Polk								1
Putnam								
St. Johns								
St. Lucie							2	
Santa Rosa								
Sarasota			1					2
Seminole								
Sumter								
Suwannee								
Taylor								
Union								
Volusia	1						2	
Wakulla								1
Walton								
Washington								
STATE TOTAL	6	1	6	3	1	3	14	12

SECTION 3:

Summary of Vaccine Preventable Diseases of Childhood

Prepared by Immunization Program
Henry T. Janowski, M.P.H., Program Supervisor

MEASLES (RUBEOLA)

In 1985, 117 cases of measles were reported to the state, which represents a 290% increase from the total number of cases reported in 1984 (30). The case rate in 1985 (1.0 per 100,000) increased 233% from the rate in 1984 (0.3).

The greatest number of cases was reported in February (52 cases) and March (22 cases) of which the majority were from an extensive outbreak in Columbia County. Sixty-three cases of measles were reported in Columbia County (159.1 per 100,000) during the period January 27 - March 12, 1985. The peak of the outbreak was during the three day period beginning February 24 through February 27, 1985, when 15 cases were reported. Eighteen (28.6%) of the cases were hospitalized because of the illness. Transmission occurred in day-care centers, a hospital, and the community at large. Hospital-acquired infections were responsible for the three major chains of transmission. However, after the hospital's enforcement of isolation procedures and strict visitation guidelines, there were no further nosocomial infections or spread.

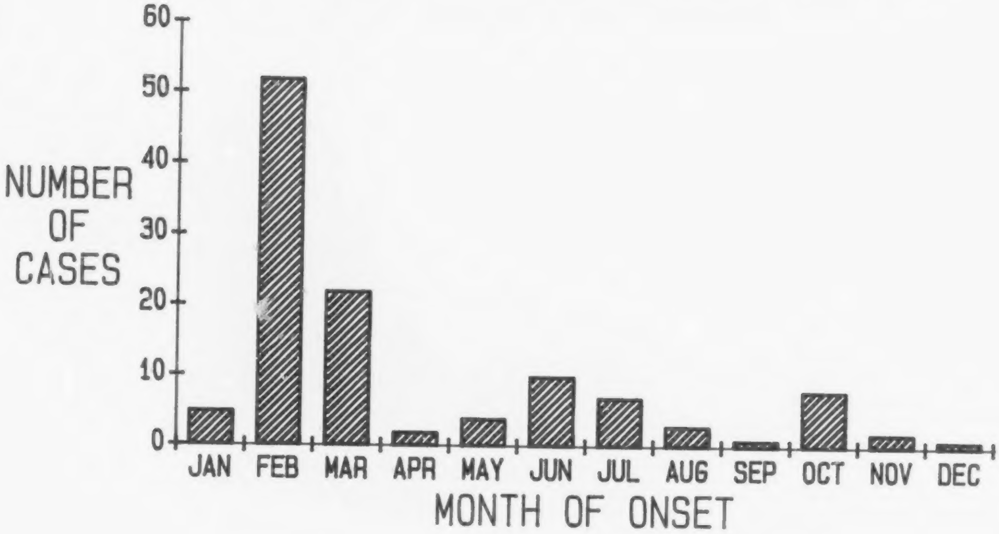
Out of the 117 cases, children aged 1-4 (59 cases) had the highest reported rate of illness (13.2 per 100,000). The 10-14 year old age group contributed 15 cases (2.3 per 100,000) followed by the 15-19 year old age group contributing 14 cases (1.5 per 100,000).

MEASLES (RUBEOLA) - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

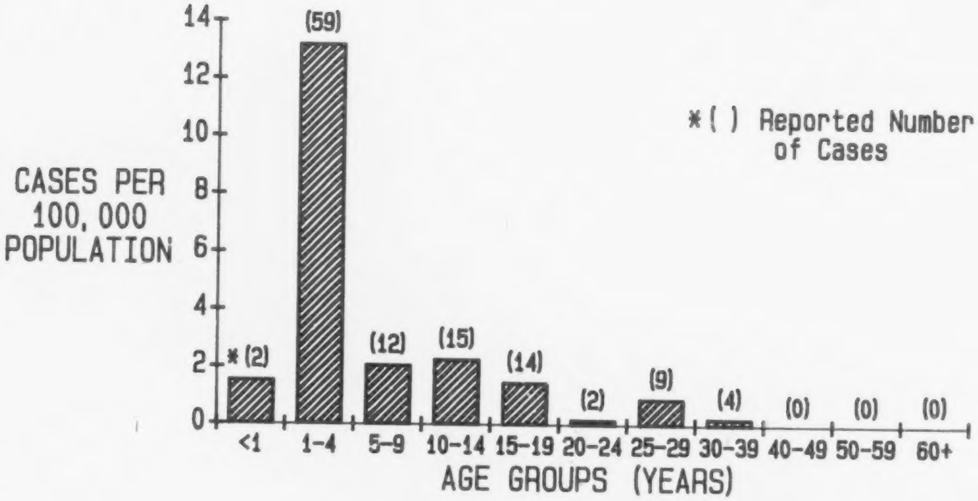
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR.* MEAN
I	Escambia															0.0	0.0
	Okaloosa															0.0	0.0
	Santa Rosa															0.0	0.0
	Walton															0.0	0.0
II	Bay															0.0	0.0
	Calhoun															0.0	0.0
	Franklin															0.0	0.0
	Gadsden															0.0	0.0
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson															0.0	0.0
	Jefferson															0.0	0.0
	Leon															0.0	0.4
	Liberty															0.0	0.0
	Madison															0.0	0.0
	Taylor															0.0	0.0
	Wakulla															0.0	0.0
	Washington															0.0	0.0
III	Alachua		3	4	1				1						9	5.2	0.0
	Bradford															0.0	0.0
	Citrus															0.0	0.0
	Columbia	4	45	14											63	159.1	0.0
	Dixie															0.0	0.0
	Gilchrist															0.0	0.0
	Hamilton		1												1	10.8	0.0
	Hernando															0.0	2.1
	Lafayette															0.0	0.0
	Lake															0.0	0.0
	Levy															0.0	0.0
	Marion		1	2											3	1.9	0.0
	Putnam															0.0	0.0
	Sumter															0.0	0.0
	Suwannee															0.0	8.0
	Union		2												2	18.7	0.0
IV	Baker			1											1	5.7	0.0
	Clay															0.0	0.0
	Duval															0.0	0.0
	Flagler															0.0	0.0
	Nassau															0.0	0.0
	St. Johns															0.0	0.0
	Volusia															0.0	0.0
V	Pasco	1													1	0.4	0.9
	Pinellas					1									1	0.1	0.1
VI	Hardee										1				1	4.7	6.5
	Highlands															0.0	0.0
	Hillsborough				1	3	5			1					10	1.3	0.2
	Manatee															0.0	0.0
	Polk						1								1	0.3	1.9
VII	Brevard															0.0	0.0
	Orange			1				2			2				5	0.9	1.8
	Osceola															0.0	0.0
	Seminole								2		5	2			9	3.9	0.0
VIII	Charlotte															0.0	0.0
	Collier															0.0	1.5
	DeSoto															0.0	0.0
	Glades															0.0	0.0
	Hendry															0.0	0.0
	Lee															0.0	0.0
	Sarasota															0.0	0.0
IX	Indian River															0.0	0.0
	Martin															0.0	2.5
	Okeechobee															0.0	0.0
	Palm Beach							1							1	0.1	0.7
	St. Lucie															0.0	0.0
X	Broward												1		1	0.1	0.2
XI	Dade						4	4							8	0.5	2.1
	Monroe															0.0	0.0
STATE TOTAL		5	52	22	2	4	10	7	3	1	8	2	1		117	1.0	0.7

*1982-1984 Average rate

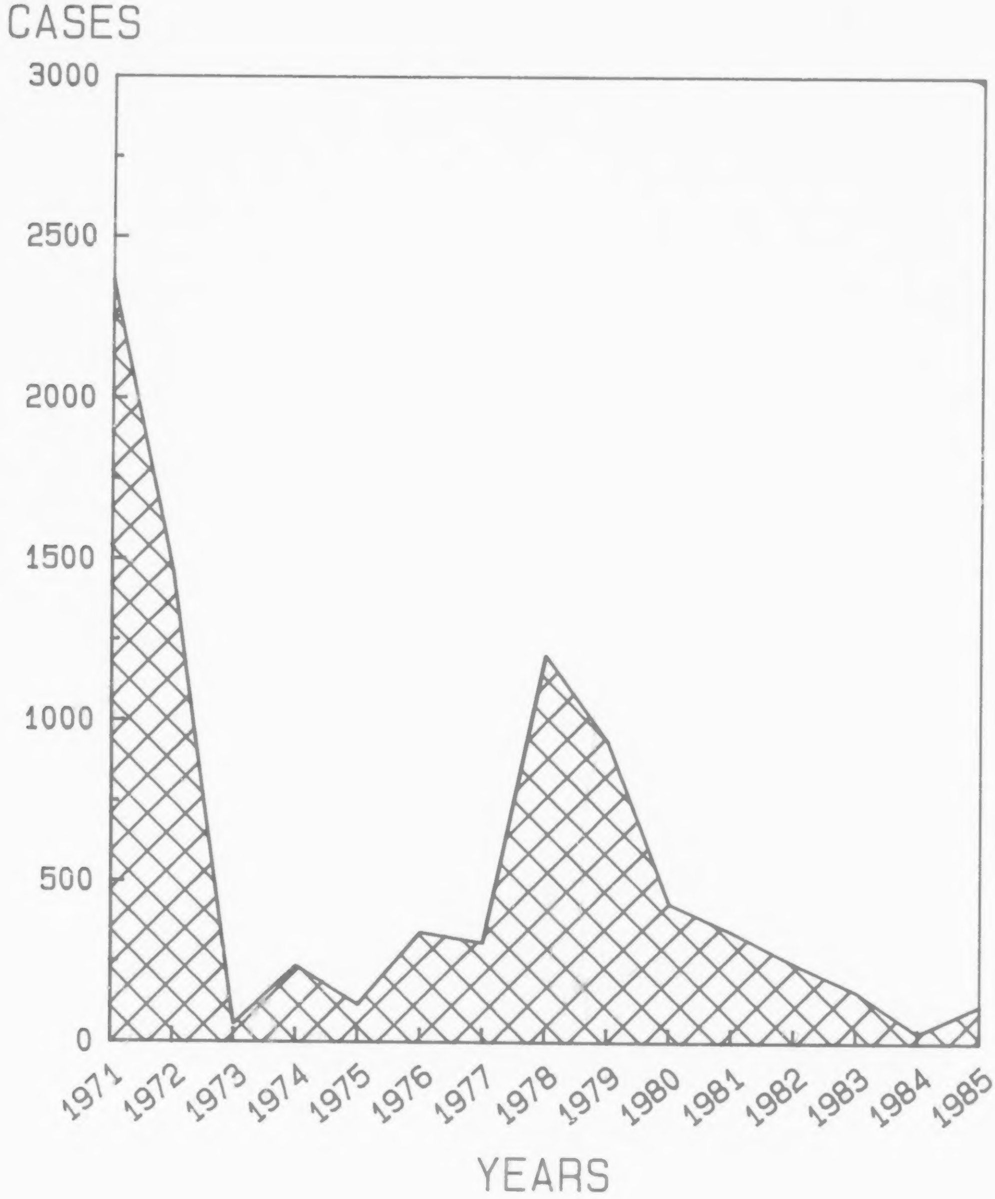
MEASLES (RUBEOLA) - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



MEASLES (RUBEOLA) - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



MEASLES (RUBEOLA) CASES REPORTED
FLORIDA, 1971-1985



MUMPS

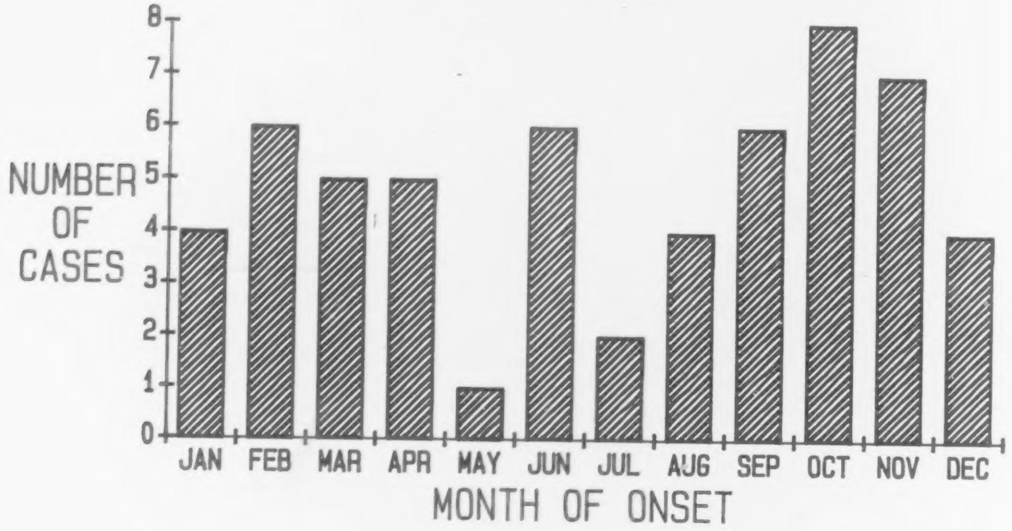
In 1985, 61 cases of mumps were reported to the state which represents a 30% increase from the total number of cases reported in 1984 (47). The greatest number of cases were reported in October (8) and November (7). The case rate in 1985 (0.5 per 100,000) increased 25% from the rate in 1984 (0.4). Children aged 5-9 had the highest reported rate of illness, 18 cases (3.1 per 100,000). The 10-14 year old age group contributed 17 cases (2.6 per 100,000).

MUMPS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

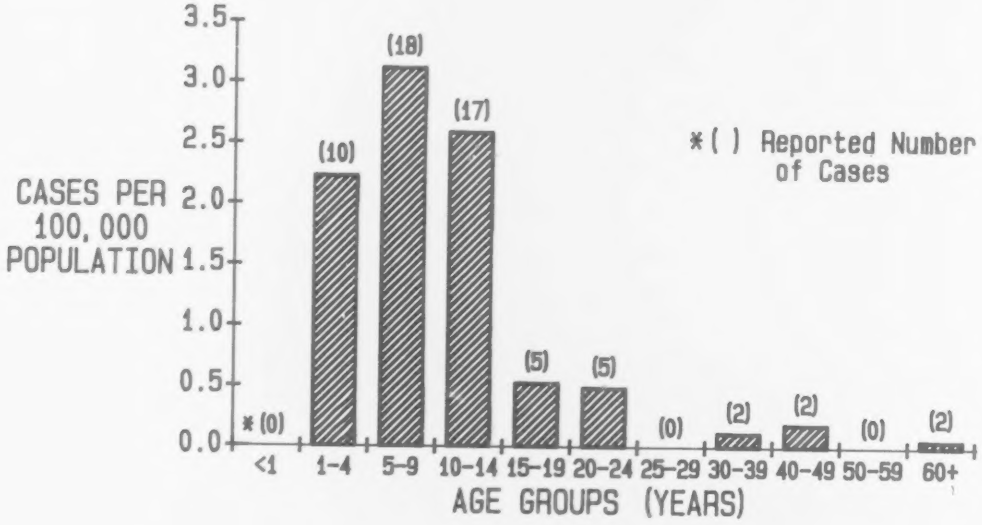
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR. * MEAN
I	Escambia															0.0	0.0
	Okaloosa															0.0	1.5
	Santa Rosa															0.0	1.1
	Walton															0.0	0.0
II	Bay															0.0	0.0
	Calhoun															0.0	0.0
	Franklin															0.0	4.1
	Gadsden															0.0	0.0
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson															0.0	0.8
	Jefferson															0.0	0.0
	Leon				1										1	0.6	1.0
	Liberty															0.0	15.0
	Madison															0.0	0.0
	Taylor															0.0	0.0
	Wakulla															0.0	0.0
	Washington															0.0	0.0
III	Alachua															0.0	0.2
	Bradford															0.0	0.0
	Citrus															0.0	0.0
	Columbia															0.0	1.7
	Dixie															0.0	0.0
	Gilchrist				1										1	14.1	0.0
	Hamilton															0.0	0.0
	Hernando		1				3			1					5	7.2	2.6
	Lafayette															0.0	0.0
	Lake															0.0	0.8
	Levy															0.0	0.0
	Marion															0.0	0.0
	Putnam															0.0	0.0
	Sumter															0.0	0.0
	Suwannee															0.0	0.0
	Union															0.0	0.0
IV	Baker															0.0	0.0
	Clay								1						1	1.2	0.8
	Duval			1										1	2	0.3	0.2
	Flagler															0.0	0.0
	Nassau															0.0	2.6
	St. Johns			1								1			2	2.9	2.1
	Volusia	1						1			1	1			4	1.3	1.7
V	Pasco															0.0	0.0
	Pinellas			1	1				1	2	1				6	0.7	0.8
VI	Hardee									1					1	4.7	0.0
	Highlands															0.0	0.0
	Hillsborough		2	2			1		1		1	1	1		9	1.2	0.1
	Manatee															0.0	0.0
	Polk	1						1			1		1		4	1.1	0.8
VII	Brevard		1												1	0.3	0.4
	Orange															0.0	0.0
	Osceola						1								1	1.3	0.0
	Seminole										1	3	2		6	2.6	0.5
VIII	Charlotte															0.0	0.0
	Collier	1	1		1	1	1			1					6	5.1	1.2
	DeSoto															0.0	3.1
	Glades															0.0	0.0
	Hendry		1												1	4.4	0.0
	Lee													1	1	0.4	0.0
	Sarasota				1									1	2	0.8	0.1
IX	Indian River															0.0	0.0
	Martin										1				1	1.2	0.4
	Okeechobee															0.0	0.0
	Palm Beach								1	1	2	1			5	0.7	0.7
	St. Lucie															0.0	0.0
X	Broward															0.0	0.0
XI	Dade															0.0	0.1
	Monroe	1													1	1.4	1.0
STATE TOTAL		4	6	5	5	1	6	2	4	6	8	7	4	3	61	0.5	0.4

*1982-1984 Average rate

MUMPS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



MUMPS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



PERTUSSIS

In 1985, 75 cases of pertussis were reported to the state which represents an 18% increase from the total number of cases reported in 1984 (91). The case rate in 1985 (0.7 per 100,000) decreased 12.5% from the rate in 1984 (0.8 per 100,000).

The highest number of cases reported in a single month was 14 in January.

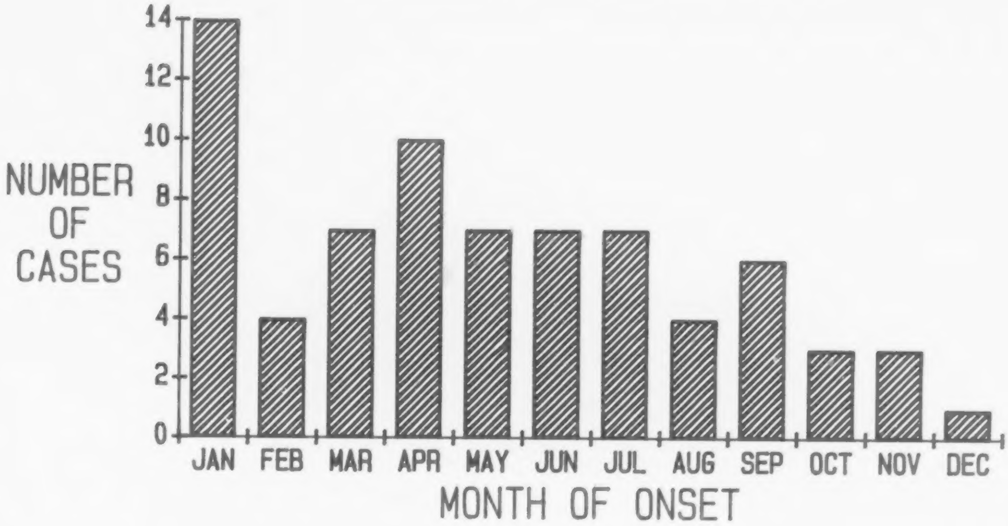
Children less than one year of age had the highest incidence of illness, 48 cases (37.6 per 100,000) followed by 1-4 year olds, 21 cases (4.7 per 100,000). Only one case was reported in a person older than 19 years of age.

PERTUSSIS - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

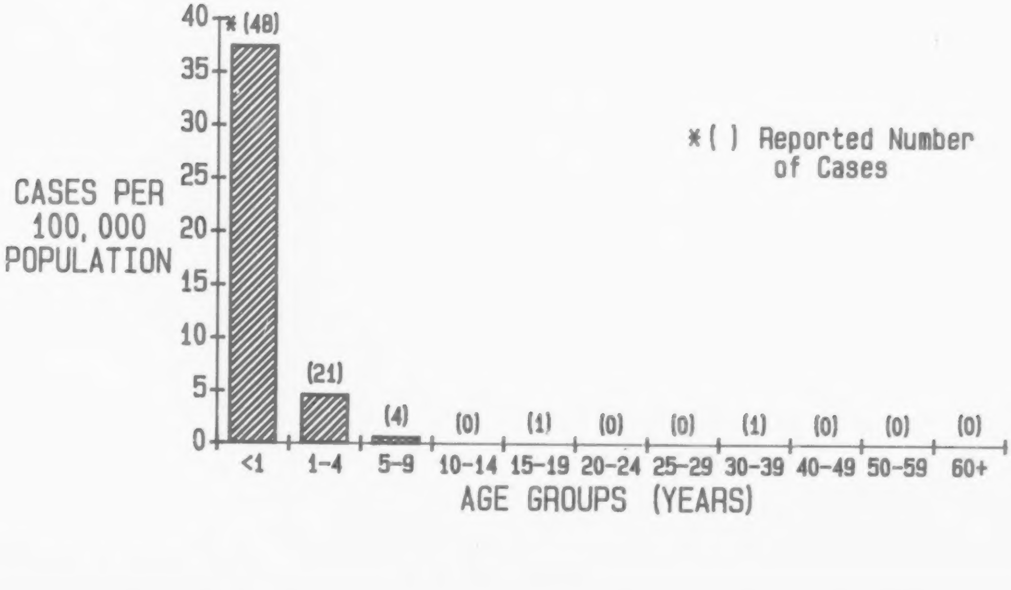
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR. * MEAN
I	Escambia															0.0	0.0
	Okaloosa															0.0	0.0
	Santa Rosa															0.0	0.0
	Walton															0.0	2.8
II	Bay															0.0	0.6
	Calhoun															0.0	0.0
	Franklin															0.0	0.0
	Gadsden															0.0	0.0
	Gulf															0.0	12.0
	Holmes															0.0	0.0
	Jackson															0.0	0.8
	Jefferson															0.0	0.0
	Leon								2						2	1.2	0.4
	Liberty															0.0	7.5
	Madison															0.0	0.0
	Taylor															0.0	3.8
	Wakulla															0.0	0.0
	Washington															0.0	4.5
III	Alachua		1	2	1	2					1				7	4.0	1.6
	Bradford															0.0	0.0
	Citrus															0.0	0.5
	Columbia															0.0	0.0
	Dixie															0.0	0.0
	Gilchrist															0.0	28.2
	Hamilton															0.0	7.3
	Hernando															0.0	0.0
	Lafayette															0.0	0.0
	Lake							1							1	0.8	0.6
	Levy															0.0	0.0
	Marion							1							1	0.6	0.7
	Putnam															0.0	0.0
	Sumter															0.0	0.0
	Suwannee															0.0	2.5
	Union															0.0	0.0
IV	Baker				1										1	5.7	0.0
	Clay	2	1								1	1		1	6	6.9	0.8
	Duval	3		1				1		1		1			7	1.1	3.3
	Flagler															0.0	0.0
	Nassau															0.0	0.0
	St. Johns				1		1								2	2.9	5.1
	Volusia															0.0	0.0
V	Pasco															0.0	0.0
	Pinellas		1		1		1		1						4	0.5	0.8
VI	Hardee															0.0	3.2
	Highlands															0.0	0.0
	Hillsborough			1		2									3	0.4	0.9
	Manatee												1		1	0.6	0.0
	Polk	5	1	1			1			2	1				11	3.0	3.6
VII	Brevard	1				1	2					1			5	1.5	0.2
	Orange															0.0	0.0
	Osceola															0.0	0.9
	Seminole															0.0	0.0
VIII	Charlotte															0.0	0.0
	Collier															0.0	0.0
	DeSoto															0.0	1.6
	Glades															0.0	0.0
	Hendry	1								1					2	8.7	3.1
	Lee						1								1	0.4	0.0
	Sarasota													1	1	0.4	0.0
IX	Indian River															0.0	0.9
	Martin							1							1	1.2	3.4
	Okeechobee															0.0	0.0
	Palm Beach			2			1	1							4	0.6	0.5
	St. Lucie							1	1	1					3	2.5	1.8
X	Broward					1		1		1					3	0.3	0.2
XI	Dade	2			6	1									9	0.5	0.2
	Monroe															0.0	0.0
STATE TOTAL		14	4	7	10	7	7	7	4	6	3	3	1	2	75	0.7	0.7

*1982-1984 Average rate

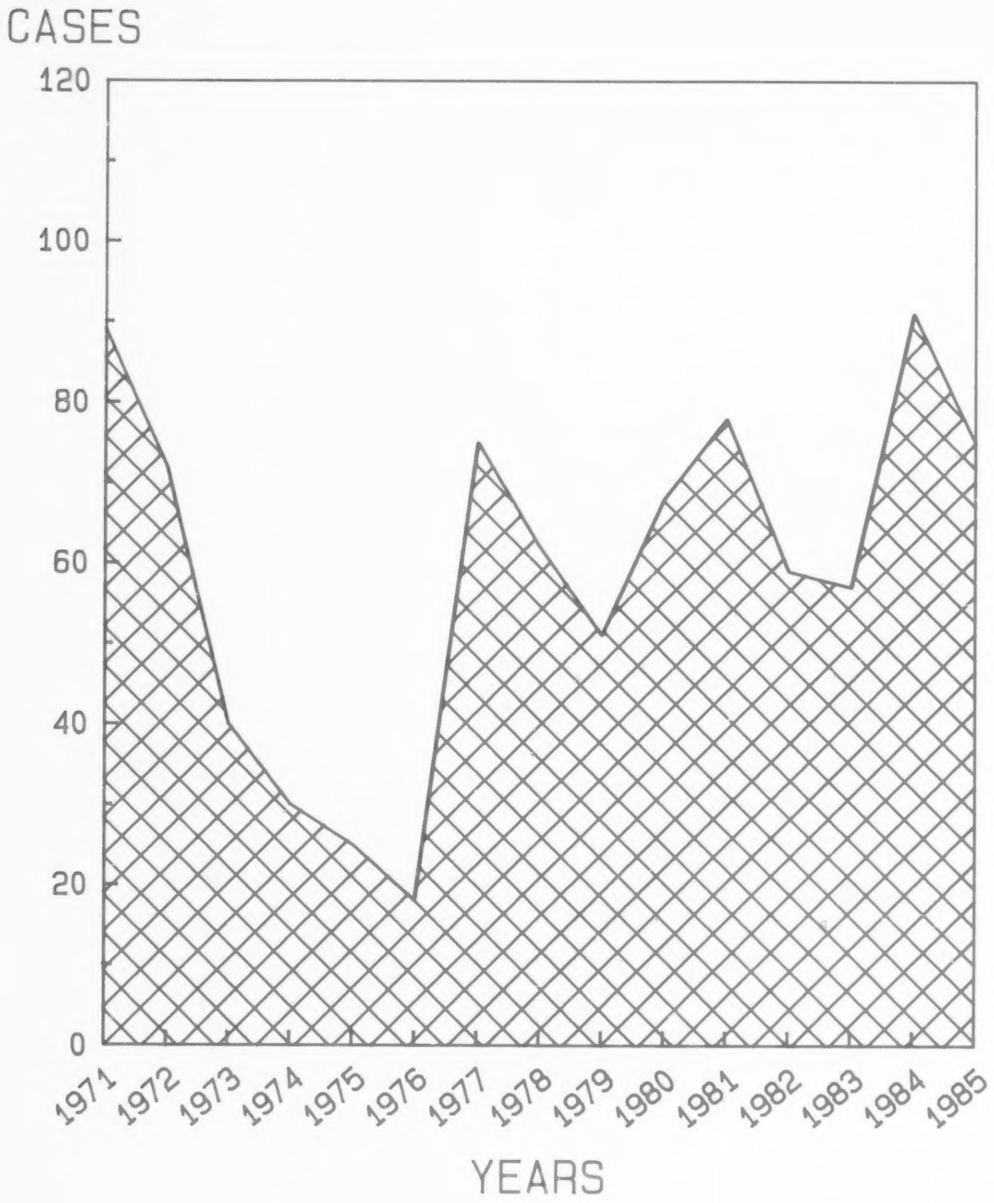
PERTUSSIS - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



PERTUSSIS - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



PERTUSSIS CASES REPORTED
FLORIDA, 1971-1985



RUBELLA

In 1985, 30 cases of rubella were reported to the state, which represents a 7% increase from the total number of cases reported in 1984 (28). The case rate in 1985 (0.3 per 100,000) did not change from the rate in 1984.

The highest number of cases reported in a single month was 10 in March with 8 of these cases from Volusia County.

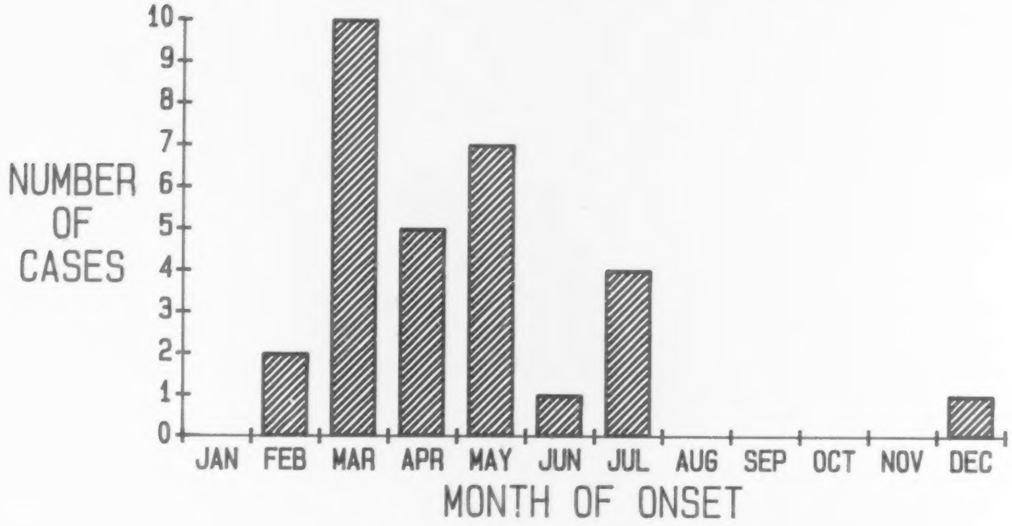
Children less than one year old had the highest rate of illness with 2 reported cases (1.6 per 100,000) followed by children aged 1-4 with a rate of 1.3 per 100,000 (6 cases).

RUBELLA - REPORTED CASES BY MONTH OF ONSET AND CASE RATES PER 100,000 POPULATION, BY COUNTY, FLORIDA, 1985

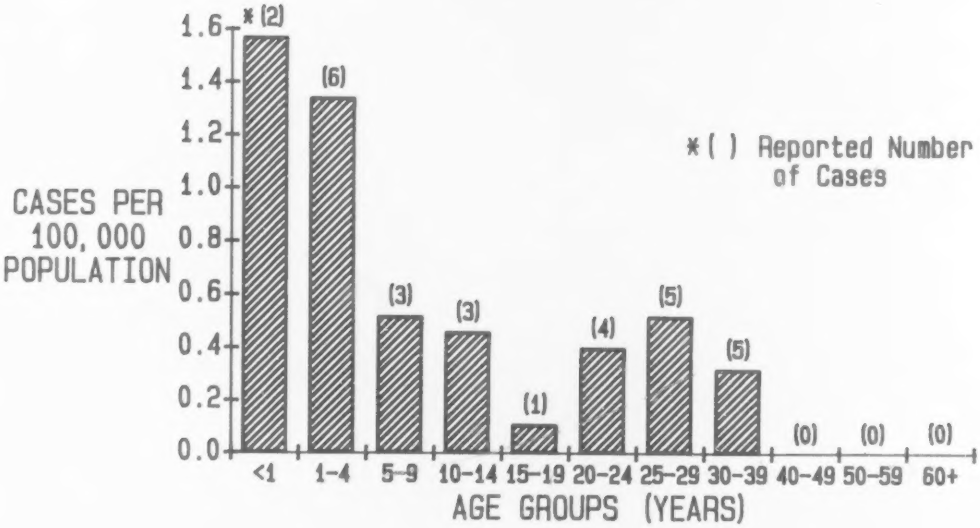
HRS DIST.	COUNTY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNK	TOTAL	RATE	3—YR.* MEAN
I	Escambia															0.0	0.0
	Okaloosa															0.0	0.5
	Santa Rosa															0.0	1.6
	Walton							1							1	3.9	2.8
II	Bay					1									1	0.8	0.3
	Calhoun															0.0	0.0
	Franklin															0.0	0.0
	Gadsden															0.0	0.0
	Gulf															0.0	0.0
	Holmes															0.0	0.0
	Jackson															0.0	0.0
	Jefferson															0.0	0.0
	Leon															0.0	1.0
	Liberty															0.0	0.0
	Madison															0.0	0.0
	Taylor															0.0	0.0
	Wakulla															0.0	0.0
	Washington															0.0	0.0
III	Alachua					1		1							2	1.1	1.8
	Bradford															0.0	0.0
	Citrus															0.0	0.0
	Columbia															0.0	0.0
	Dixie															0.0	0.0
	Gilchrist															0.0	9.4
	Hamilton															0.0	0.0
	Hernando															0.0	0.0
	Lafayette															0.0	0.0
	Lake															0.0	0.3
	Levy															0.0	0.0
	Marion															0.0	0.0
	Putnam															0.0	0.0
	Sumter															0.0	0.0
	Suwannee															0.0	0.0
	Union															0.0	0.0
IV	Baker															0.0	0.0
	Clay															0.0	0.4
	Duval															0.0	0.0
	Flagler															0.0	0.0
	Nassau															0.0	0.0
	St. Johns															0.0	2.1
	Volusia			8	2	3	1								14	4.5	1.2
V	Pasco															0.0	0.1
	Pinellas			1		1									2	0.2	0.2
VI	Hardee															0.0	0.0
	Highlands															0.0	0.0
	Hillsborough															0.0	1.3
	Manatee															0.0	1.4
	Polk															0.0	0.6
VII	Brevard							2							2	0.6	0.6
	Orange															0.0	0.0
	Osceola															0.0	0.0
	Seminole															0.0	0.6
VIII	Charlotte															0.0	0.0
	Collier		1	1	1	1									4	3.4	0.0
	DeSoto															0.0	6.3
	Glades															0.0	0.0
	Hendry															0.0	0.0
	Lee															0.0	0.0
	Sarasota															0.0	0.3
IX	Indian River															0.0	0.0
	Martin															0.0	0.0
	Okeechobee															0.0	0.0
	Palm Beach		1										1		2	0.3	0.4
	St. Lucie															0.0	0.0
X	Broward															0.0	0.1
XI	Dade				2										2	0.1	0.2
	Monroe															0.0	0.0
STATE TOTAL		0	2	10	5	7	1	4	0	0	0	0	1	0	30	0.3	0.4

*1982-1984 Average rate

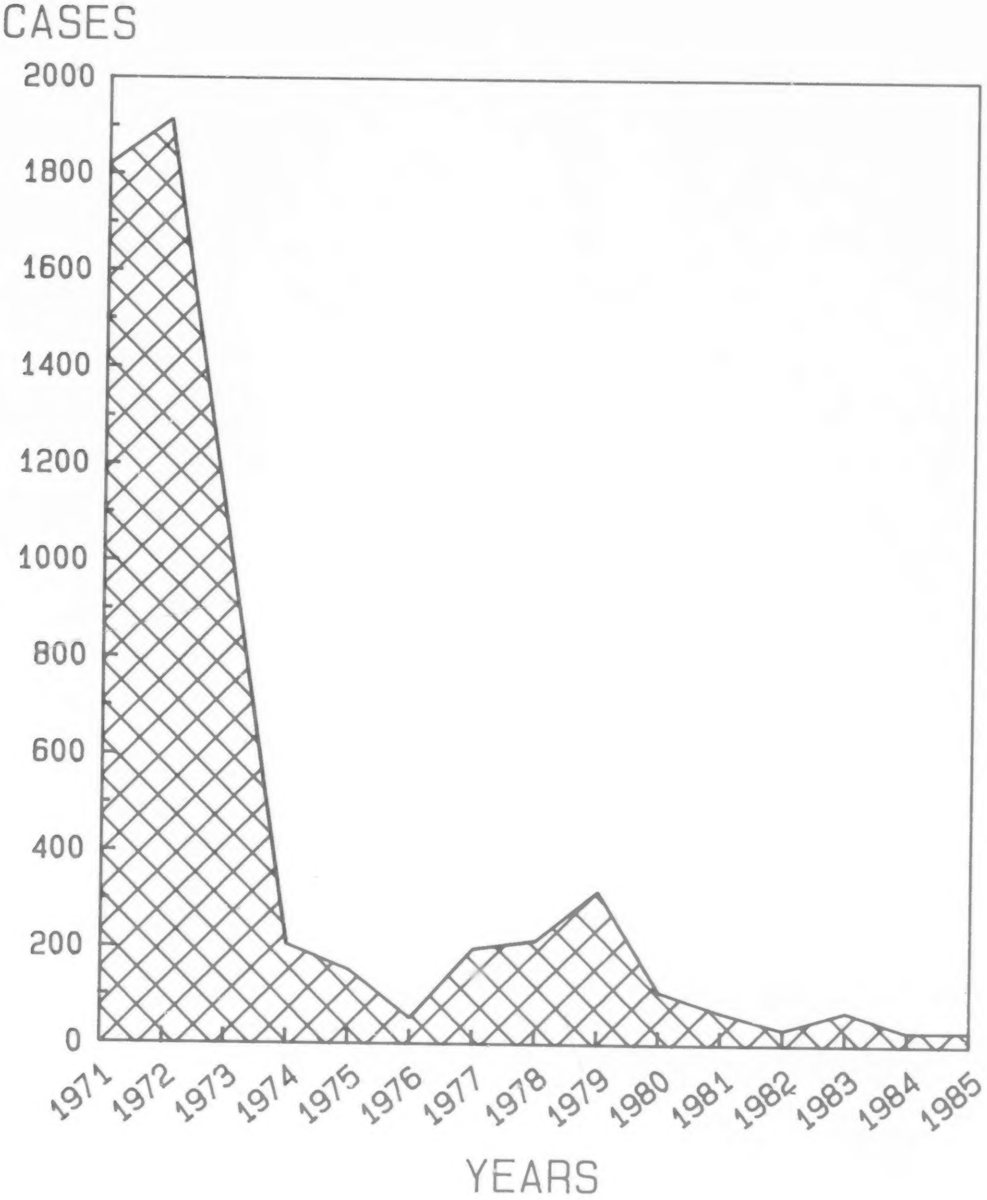
RUBELLA - REPORTED CASES BY MONTH OF ONSET, FLORIDA, 1985



RUBELLA - REPORTED CASE RATES BY AGE GROUP, FLORIDA, 1985



RUBELLA CASES REPORTED
FLORIDA, 1971-1985



SECTION 4:

Analysis of Animal Rabies & Zoonotic Diseases

ANIMAL RABIES

Of the 4,522 animal specimens examined in 1985, 159 (3.5%) had positive flourescent rabies antibody (FRA) tests (Table 2). This represents a 6.7% increase from the total number of cases reported in 1984.

Rabies positive animals were identified in 38 counties compared to 31 counties in 1984 (Table 3). Urban outbreaks of raccoons occurred in Jackson, Leon, Orange, and Polk counties. In 1985, 122 (76.7%) of the total number of cases occurred in raccoons and 15.4% of all raccoons examined had positive FRA tests.

Three cases of rabies occurred in domestic animals, one cat and two dogs, as compared to 1984 when one cat and one dog were reported positive. Bat rabies decreased from 48 cases in 1984 to 21 cases in 1985.

TABLE 1

ANIMAL RABIES - Laboratory Confirmed Cases by Species, Florida, 1976-1985

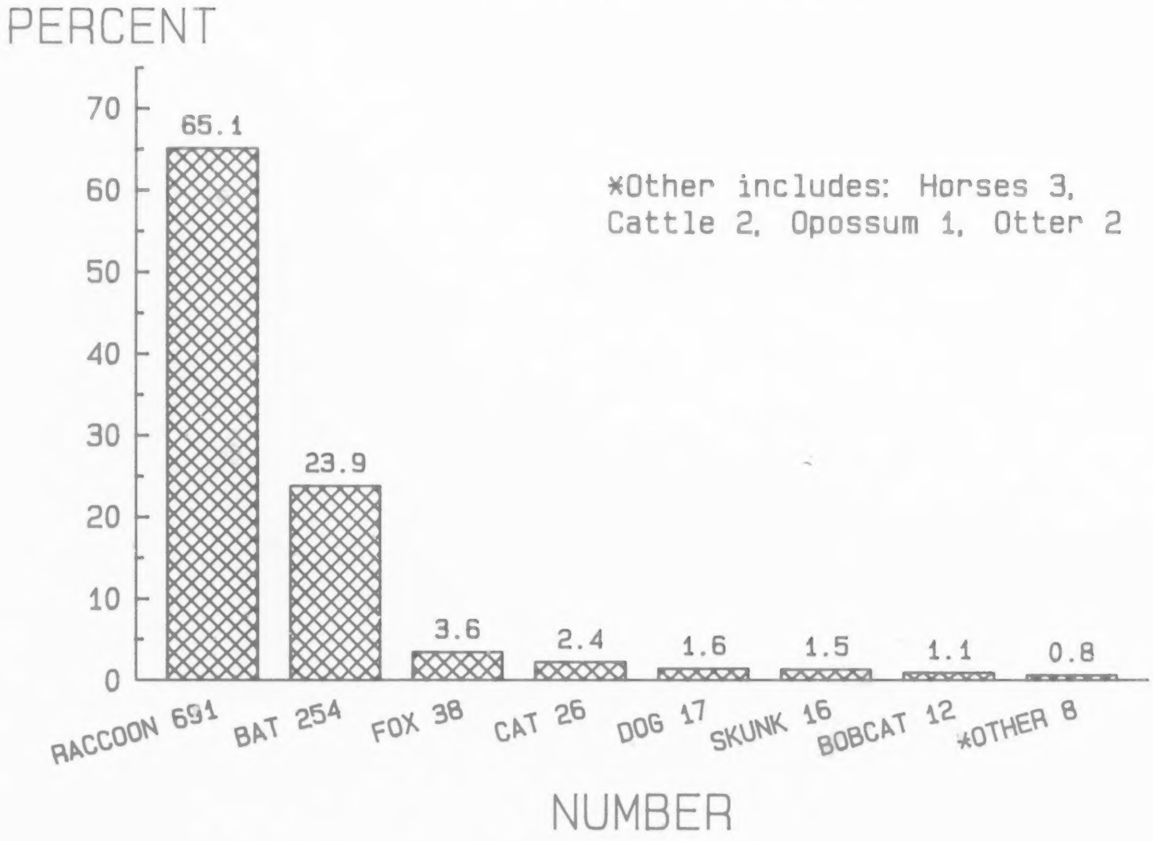
ANIMAL SPECIES	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
BAT	21	48	69	18	17	9	10	8	16	38
BOBCAT	3	2	1	0	0	2	0	2	1	1
CAT	1	1	2	1	7	3	5	1	2	3
CATTLE	0	0	1	0	0	1	0	0	0	0
DOG	2	1	1	2	1	4	3	1	1	1
FOX	6	3	0	6	7	3	5	1	3	4
HORSE	0	0	0	0	1	1	1	0	0	0
OPOSSUM	0	0	0	0	1	0	0	0	0	0
OTTER	0	1	0	0	0	0	0	0	1	0
RACCOON	122	92	56	51	79	84	54	33	69	51
SKUNK	4	1	1	2	3	3	1	1	0	0
STATE TOTAL	159	149	131	80	116	110	79	47	93	98

TABLE 2

ANIMAL RABIES - LABORATORY CONFIRMED CASES AND SPECIMENS EXAMINED, FLORIDA, 1985

Species	Number Examined	Number and Percent ( ) Positive	Percent of All Species Examined (N=4,522)	Percent of All Positive (N=159)
Dogs	979	2 (0.20)	21.65%	1.26%
Cats	1,356	1 (0.07)	29.99%	0.63%
	2,335	3 (0.13)	51.64%	1.89%
Raccoons	792	122 (15.40)	17.51%	76.73%
Bats	352	21 (5.97)	7.78%	13.21%
Skunks	110	4 (3.64)	2.43%	2.51%
	1,254	147 (11.72)	27.72%	92.45%
Fox	110	6 (5.45)	2.43%	3.77%
Bobcat	14	3 (21.43)	0.31%	1.89%
Other Wild	301	0 (0.00)	6.66%	0.00%
	425	9 (2.12)	9.40%	5.66%
Cattle	15	0 (0.00)	0.33%	0.00%
Horse	31	0 (0.00)	0.69%	0.00%
Other Domestic	12	0 (0.00)	0.27%	0.00%
	58	0 (0.00)	1.29%	0.00%
Rodents & Lagomorphs	450	0 (0.00)	9.95%	0.00%
TOTAL ALL SPECIES	4,522	159 (3.52)	100.00%	100.00%

ANIMAL RABIES
FLORIDA, 1976-1985
TOTAL 1,062



*Other includes: Horses 3,
Cattle 2, Opossum 1, Otter 2

TABLE 3

ANIMAL RABIES - Reported laboratory confirmed cases, by county, Florida, 1976-1985

COUNTY	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Alachua	2			2	4	9	5	2	3	4
Baker			2			1		-		
Bay	5	2	1	1	2		3	1	2	3
Bradford				1		2				
Brevard	5	3	5	1			2		2	8
Broward		1			1				1	
Calhoun	1				1	2				
Charlotte	1						1		1	1
Citrus		1	1	1					3	1
Clay	1		5	1	1				1	1
Collier					1		2	2	3	
Columbia	3	2		3	4	4	2	1	3	3
Dade	1			1		1		1	2	1
DeSoto	1			1			1		1	1
Dixie					1					
Duval	4	4	22	4	6	9	4	2	3	7
Escambia	2	7	19	2	1	1				
Flagler	1				3	1	1			
Franklin		1		1						
Gadsden	1	4	5	1	3	1	4	1		3
Gilchrist	1					1				1
Glades	1									
Gulf	3	1						1		
Hamilton	7		1	1	2	1	1	1	3	2
Hardee	4		3		2	2	3		2	
Hendry										
Hernando	2	1	1	2						
Highlands					1	2				
Hillsborough	5	1	3	1	3	2	5	6	5	11
Holmes	5	5	3		5	3	2			3
Indian River			1							1
Jackson	13	3	3	2	7	1	3	1	2	3
Jefferson	6	4	2		2	4	2			1
Lafayette	1					4	1			
Lake			1	3	3	3	2			
Lee			1	2	7	2	3			
Leon	20	27	13	12		13	5	3	2	3
Levy	2			1			1	1	1	
Liberty										
Madison	6	1		2	3	3		2	1	3
Manatee					2	1	2	1		
Marion	2	1	6	1	7	4	5		9	1
Martin		1	2							
Monroe										
Nassau				4		1	1		2	5
Okaloosa	3	5	4	1	1	2	2	1	2	
Okeechobee			1							
Orange	17	21	1	3	1	1	1	1	3	9
Osceola				2				2	1	1
Palm Beach				2	1	1				
Pasco	2		1	1						
Pinellas										
Polk	19	33	9	3	10	2		1	2	1
Putnam		1	1	2	3	2	1		2	1
St. Johns		1	1	2	2			5	3	1
St. Lucie				2						
Santa Rosa		2	3	2						1
Sarasota	1	1	3			5	2	5	21	4
Seminole	4	8	3	1	1	1	1	1	1	5
Sumter									1	
Suwannee	1				14	3	2		2	
Taylor				1	1	1		1		
Union										
Volusia	1	1	1	3	7	7	3		2	6
Wakulla		1				1	2	1		
Walton	1	2	2	2	3	3	2	1	1	2
Washington	4	3	1	2		3	2	2		
STATE TOTAL	159	149	131	80	116	110	79	47	93	98

TABLE 4

ANIMAL RABIES - LABORATORY CONFIRMED CASES, BY COUNTY, BY SPECIES, BY MONTH OF REPORT, FLORIDA, 1985

County	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alachua					1 Bat						1 Rac		2
Baker													
Bay					1 Rac	1 Rac	1 Bat		1 Bat			1 Rac	5
Bradford													
Brevard	1 Rac	1 Rac	1 Rac			1 Bat 1 Cat							5
Broward													
Calhoun											1 Rac		1
Charlotte		1 Rac											1
Citrus													
Clay				1 Bat									1
Collier													
Columbia			2 Rac						1 Bat				3
Dade				1 Rac									1
DeSoto					1 Rac								1
Dixie													
Duval		1 Rac	1 Bat					2 Bat					4
Escambia							1 Bat	1 Bat					2
Flagler						1 Fox							1
Franklin													
Gadsden					1 Rac								1
Gilchrist		1 Rac											1
Glades				1 Rac									1
Gulf	2 Rac				1 Rac								3
Hamilton			2 Rac			1 Bat	1 Rac	1 Rac	1 Skunk		1 Skunk		7
Hardee	2 Rac		1 Rac		1 Rac								4
Hendry													
Hernando							1 Fox						
Hernando							1 Rac						2
Highlands													
Hillsborough							1 Bat	3 Bat	1 Rac				5
Holmes	1 Rac		1 Rac			1 Rac	1 Rac	1 Rac					5
Indian River													
Jackson						1 Rac	1 Dog 1 Rac 1 Skunk	3 Rac	2 Rac	3 Rac		1 Rac	13
Jefferson	1 Bobcat 1 Rac				1 Rac	2 Rac						1 Rac	6
Lafayette			1 Rac										1
Lake													
Lee													
Leon	1 Rac	1 Fox 2 Rac	3 Rac	1 Bobcat 4 Rac	1 Rac	2 Rac	1 Bat 1 Rac			1 Rac		1 Fox 1 Rac	20
Levy			1 Rac								1 Bobcat		2
Liberty													
Madison		1 Skunk 1 Rac	3 Rac		1 Rac								6
Manatee													
Marion		1 Rac										1 Rac	2
Martin													
Monroe													
Nassau													
Okaloosa			1 Rac				1 Fox	1 Rac					3
Okeechobee													
Orange			1 Bat 6 Rac	2 Rac	2 Rac	1 Rac		1 Bat 1 Rac	1 Rac		1 Rac	1 Rac	17
Osceola													
Palm Beach													
Pasco			1 Rac	1 Rac									2
Pinellas													
Polk			1 Bat 4 Rac	3 Rac	1 Bat 1 Rac		1 Dog 1 Fox 2 Rac		2 Rac	1 Rac	1 Rac	1 Rac	19
Putnam													
St. Johns													
St. Lucie													
Santa Rosa													
Sarasota												1 Rac	1
Seminole			2 Rac	1 Rac			1 Rac						4
Sumter													
Suwannee									1 Rac				1
Taylor													
Union													
Volusia										1 Rac			1
Wakulla													
Walton	1 Rac												1
Washington	2 Rac								2 Rac				4
TOTAL	12	10	32	15	13	12	18	14	12	8	6	9	159

ZOONOTIC DISEASES

Brucellosis

Eight cases of brucellosis were reported in 1985 compared with a mean of 10.6 cases for the previous 5 years (1980-1984). Cases were reported throughout the year with over half (5) diagnosed between January and March. Two cases occurred in Polk county with one case each in Lee, Orange, Dade, Marion, Pasco, and Holmes counties. All were males, with 2 each in the 20-29, 30-39, and 40-49 age groups, and 1 each in the 50-59 and 60+ age groups. Of the 7 cases whose exposures were studied, 1 routinely tested cattle for Brucellosis and vaccinated calves, 3 had hunted wild hogs, 1 was a farmer who suffered a needle stick injury while vaccinating his cows for Brucellosis, 1 was a radio mechanic from India, and 1 had developed symptoms shortly after consuming cheese while traveling in Peru.

Leptospirosis

Four cases of leptospirosis were reported in 1985 compared with a mean of 6.2 cases for the previous 5 years (1980-1984). Three were reported in June and one in July. All four of the cases comprised an outbreak that occurred at one location in Broward county. Three cases were males; aged 9, 34 and 50. The fourth was a 23 year old female. Three of the four cases were employed at the Everglades Park Zoo. The father of the fourth case owns the zoo.

Psittacosis

Fourteen cases of psittacosis were reported in 1985 compared to a mean of 3.0 cases for the previous 5 years (1980-1984). Nine were males, 5 were females. Ages ranged between 17 and 69. Of the fourteen cases, 9 had bought psittacine birds from pet shops, 3 were pet shop employees, 1 was a veterinary assistant, and 1 was a case contact.

Rocky Mountain Spotted Fever

Fifteen cases of Rocky Mountain Spotted Fever were reported during 1985 as compared with a mean of 6.6 cases reported during the previous five years (1980-1984). By far, the majority of cases occurred in May (5) and July (5), with three cases in September, one in April, and one in February. This trend is consistent with increased outdoor activities during the warmer months. Many of these cases had known exposures to ticks.

Victim ages ranged from 4 to 70 years, with a median age of 26. All were caucasian, mostly females (66.7%). Five victims reported recent history of camping and hiking in wooded areas of Florida, Georgia, or North Carolina. Three were aware of a recent tick bite but place of exposure was unknown; one owned 3 tick-infested hunting dogs; one believed he was bitten by a tick while playing golf; and five do not specify any history of tick exposure or outdoor activities.

ZOONOTIC DISEASES - Reported cases, by disease, by county, Florida, 1985

	BRUCELLOSIS	LEPTOSPIROSIS	PSITTACOSIS	ROCKY MOUNTAIN SPOTTED FEVER
Alachua				
Baker				
Bay				1
Bradford				
Brevard				2
Broward		4	2	
Calhoun				
Charlotte				
Citrus				
Clay				
Collier				
Columbia				
Dade	1			
DeSoto				
Dixie				
Duval			1	
Escambia				
Flagler				
Franklin				
Gadsden				
Gilchrist				
Glades				
Gulf				2
Hamilton				
Hardee				
Hendry				
Hernando			2	
Highlands				1
Hillsborough			1	
Holmes	1			
Indian River				
Jackson				
Jefferson				
Lafayette				
Lake				2
Lee	1			1
Leon				
Levy				
Liberty				
Madison				
Manatee				1
Marion	1			
Martin				
Monroe				
Nassau				1
Okaloosa				2
Okeechobee				
Orange	1		1	
Osceola				
Palm Beach			3	1
Pasco	1			
Pinellas			1	
Polk	2			
Putnam				
St. Johns			1	
St. Lucie				
Santa Rosa				
Sarasota				1
Seminole				
Sumter				
Suwannee				
Taylor				
Union				
Volusia				
Wakulla				
Walton			2	
Washington				
STATE TOTAL	8	4	14	15

SECTION 5:

SUMMARY OF ACQUIRED IMMUNE DEFICIENCY SYNDROME

Prepared by the AIDS Program
Joyner Sims, Ph.D., Program Administrator

AIDS

By 1985, the State Health Office was actively involved in AIDS surveillance. Cases of AIDS were routinely reported on a standard form developed by the Centers for Disease Control (CDC) in 1983 and revised in 1985. In addition, 1985 brought about a revision in the CDC Surveillance Case Definition for AIDS. The definition was expanded to include several diseases not previously indicative of AIDS. Among these were disseminated histoplasmosis, isosporiasis, Kaposi's sarcoma diagnosed at any age, and other non-Hodgkin's lymphomas. Only those cases meeting the definition were reported. That is, a person had to be reliably diagnosed with a disease that was at least moderately indicative of an underlying cellular immunodeficiency. Sociodemographic and risk factor information were also collected on persons reported.

Morbidity

As of December 31, 1985 a total of 1,457 cases of AIDS were reported to the Florida Department of Health and Rehabilitative Services with onset of illness occurring from 1980 through 1985. Of these, 5 cases were diagnosed in 1980, 16 cases were diagnosed in 1981, 82 in 1982, 211 in 1983, 410 in 1984, and 733 in 1985.

Age, Race, and Sex

The distribution of AIDS cases in Florida by age group is shown in Table 1. For those diagnosed in 1985, the greatest number of cases occurred in the 30-39 year age group (42%), followed by those 40-49 years of age (20.5%), and those aged 25-29 years (20%). Twenty-three pediatric cases (<13 years of age) were diagnosed during this time period. Of these, 10 (43%) were under the age of one.

Of the total adult cases (710) diagnosed in 1985, 646 (91%) were male, and 64 (9%) were female. For all cases diagnosed in 1985, 380 (52%) were white, 259 (35%) were black, 92 (13%) were Hispanic, and 2 were other (Table 2).

Risk Category

Data by risk category for the cases diagnosed in 1985 are shown in Table 3. The greatest proportion of adult cases were identified as homosexual or bisexual men (60%), followed by intravenous drug users (15%). Heterosexual contact was the next most frequent mode of transmission, accounting for 92 (13%) of the adult cases reported. Among the 23 pediatric cases, 19 (83%) had a parent with AIDS or at risk for AIDS, and 2 (9%) acquired the disease through blood transfusions.

Disease Group

In 1985, the greatest proportion of cases were diagnosed with Pneumocystis carinii pneumonia (PCP), accounting for 61% of the total. The second most common opportunistic disease was Kaposi's Sarcoma (KS), which accounted for 10%. The remainder (29%) were diagnosed with other opportunistic infections without PCP (Table 4).

Geographic Distribution

Dade County accounted for the majority of cases diagnosed in 1985 with a total of 290 (40%), followed by the counties of Broward and Palm Beach which reported 129 (18%) and 66 (9%), respectively. A total of 32 counties throughout the state had at least one case of diagnosed AIDS during this time period (Table 5), however, the majority (71%) were residents of South Florida at onset of illness (Districts IX, X, or XI).

TABLE 1

Reported AIDS cases by age group, Florida, 1985

Age	Number (%)
< 1	10 (1)
1 - 4	10 (1)
5 - 9	3 (0)
10 - 14	0 (0)
15 - 19	4 (0)
20 - 24	36 (5)
25 - 29	145 (20)
30 - 39	310 (42)
40 - 49	150 (20)
50 - 59	42 (6)
60+	23 (3)
TOTAL	733 (100)

TABLE 2

Reported AIDS cases by race/ethnicity, Florida, 1985

Race/Ethnicity	Adult/ Adolescent Cases (%)	Pediatric Cases (%)	Total Cases (%)
White, Not Hispanic	377 (53)	3 (13)	380 (52)
Black, Not Hispanic	240 (34)	19 (83)	259 (35)
Hispanic	91 (13)	1 (4)	92 (13)
Other	0 (0)	0 (0)	0 (0)
Unknown	2 (0)	0 (0)	2 (0)
TOTAL	710 (100)	23 (100)	733 (100)

TABLE 3

Reported AIDS cases by patient group, Florida, 1985

Patient Groups	Adult/Adolescent		
	Males (%)	Females (%)	Total (%)
Homosexual or Bisexual Men	425 (66)	0 (0)	425 (60)
Intravenous (IV) Drug User	76 (12)	27 (42)	103 (15)
Homo/Bi IV Drug User	44 (7)	0 (0)	44 (6)
Hemophiliac	5 (1)	0 (0)	5 (1)
Heterosexual contact	62 (10)	30 (47)	92 (13)
Transfusion with blood/products	14 (2)	5 (8)	19 (3)
None of the Above / Other	20 (3)	2 (3)	22 (3)
Total	646 (100)	64 (100)	710 (100)

Patient Groups	Pediatric		
	Males (%)	Females (%)	Total (%)
Hemophiliac	0 (0)	0 (0)	0 (0)
Parent at risk/has AIDS/HIV	6 (67)	13 (93)	19 (83)
Transfusion with blood/products	2 (22)	0 (0)	2 (9)
None of the Above / Other	1 (11)	1 (7)	2 (9)
Total	9 (100)	14 (100)	23 (100)

TABLE 4

Reported AIDS cases by disease category, Florida, 1985

Disease Category	Adult/Adolescent		Pediatric	
	Cases (%)	Deaths (%)	Cases (%)	Deaths (%)
PCP	440 (62)	368 (84)	9 (39)	8 (89)
Other Disease w/o PCP	200 (28)	150 (75)	14 (61)	6 (43)
KS Alone	70 (10)	42 (60)	0 1(0)	0 (0)
Total	710 (100)	560 (79)	23 (100)	14 (61)

Disease Category	Total	
	Cases (%)	Deaths (%)
PCP	449 (61)	376 (84)
Other Disease w/o PCP	214 (29)	156 (73)
KS Alone	70 (10)	42 (60)
Total	733 (100)	574 (78)

TABLE 5

Reported AIDS cases by County of Residence at Onset of Illness, Florida, 1985

District / County		Number	(%)
I	Escambia	9	(1.23)
	Okaloosa	1	(0.14)
II	Bay	1	(0.14)
	Gadsden	2	(0.27)
	Leon	3	(0.41)
III	Alachua	7	(0.95)
	Hernando	2	(0.27)
	Lake	3	(0.41)
	Putnam	1	(0.14)
	Suwannee	1	(0.14)
IV	Clay	1	(0.14)
	Duval	22	(3.00)
	St. Johns	2	(0.27)
	Volusia	6	(0.82)
V	Pasco	5	(0.68)
	Pinellas	28	(3.82)
VI	Hillsborough	33	(4.50)
	Manatee	5	(0.68)
	Polk	2	(0.27)
VII	Brevard	6	(0.82)
	Orange	20	(2.73)
	Seminole	2	(0.27)
VIII	Charlotte	3	(0.41)
	Collier	5	(0.68)
	Lee	16	(2.18)
	Sarasota	6	(0.82)
IX	Indian River	3	(0.41)
	Palm Beach	66	(9.00)
	St. Lucie	5	(0.68)
X	Broward	129	(17.60)
XI	Dade	290	(39.56)
	Monroe	25	(3.41)
Department of Corrections		23	(3.14)
TOTAL		733	(100.0)

SECTION 6:

SUMMARY OF SEXUALLY TRANSMITTED DISEASES

Prepared by Sexually Transmitted Disease Program
Jack E. Wroten, Program Supervisor

SYPHILIS

Morbidity Trends

In 1985, 7,969 reports of syphilis represented a decrease of 345 cases (4.1%) from the 8,314 cases reported in 1984. This still represents an 81.8% increase over 1980 when 4,384 cases were reported. Since 1980, significant increases have occurred for all stages of syphilis (81.8% overall); primary and secondary (63.0%), early latent (134.9%), and late and late latent (65.9%).

Despite a rise in population of 1,563,612 between 1980 and 1985, the rate per 100,000 for all stages of syphilis jumped from 44.7 to 70.0 (see chart below).

Year	Population	Total Syphilis		Primary & Secondary		Early Latent		Late & Late Latent		Congenital	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
1985	11,377,318	7969	70.0	3679	32.3	2504	22.0	1755	15.4	31	0.27
1984	11,015,061	8314	75.5	3876	35.2	2812	25.5	1596	14.5	30	0.27
1983	10,645,793	8404	79.0	4179	39.3	2501	23.5	1699	16.0	25	0.24
1982	10,555,498	7936	75.2	4149	39.3	1884	17.9	1895	18.0	8	0.08
1981	10,108,564	5971	59.1	3036	30.3	1376	13.6	1552	15.4	7	0.07
1980	9,813,706	4384	44.7	2257	23.0	1066	10.9	1058	10.8	3	0.03

The majority (59.8%) of the 3,679 cases of primary and secondary syphilis were reported in persons 15 to 29 years old. Those 15 to 19 accounted for 10.6% (390 cases); those 20 to 24, for 25.2% (927 cases); and those 25 to 29 for 24.0% (882 cases).

Closer analysis of the cases reported in 1985 shows that 6,183 (77.6%) were early and that 3,679 (46.2%) of these were infectious. Only 762 (20.7%) of the infectious and 486 (19.4%) of the early latent cases were reported by private health care providers. Males accounted for 3,725 (60.2%) of the early reports for a male to female ratio of 1:1.5. Black males comprise the majority (53.7%) of infectious cases; black females represent 30.2% of the infectious cases. White males, however, only accounted for 455 (12.4%) of the infectious cases; only 140 (3.8%) of white females were reported with infectious disease.

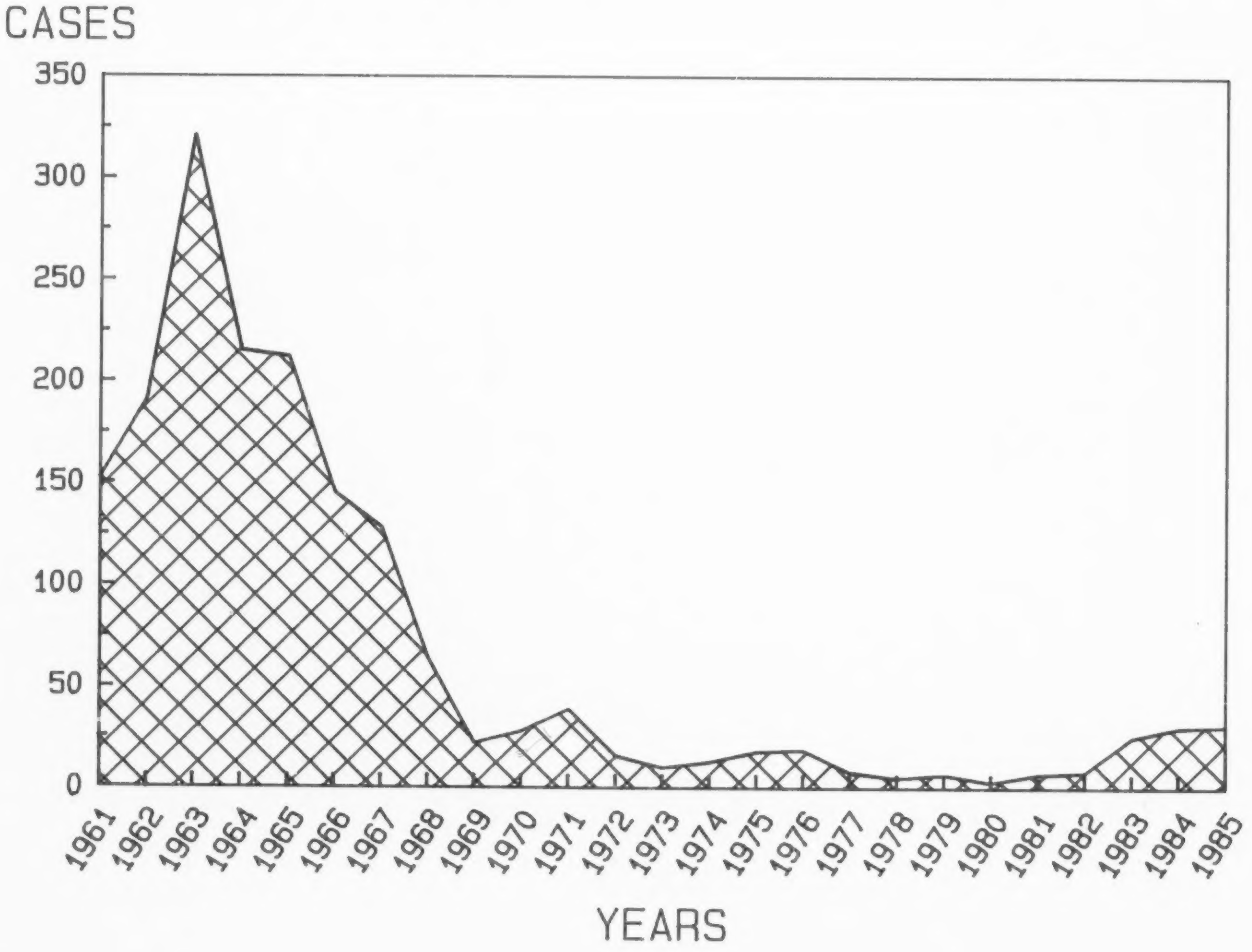
There were thirty-one reported cases of congenital syphilis this year. The vast majority of these cases were reported from Dade (15 cases) and Broward (10 cases) counties, accounting for 80.6% of the state total. Other HRS Districts reporting congenital syphilis include District 4, District 5, District 8, and District 9. Fifty-four percent of the congenital syphilis cases were males and 46% were females. With proper prenatal care, these cases could have been prevented.

Primary & Secondary SYPHILIS - Reported Cases By County, Florida, 1985 vs. 1984

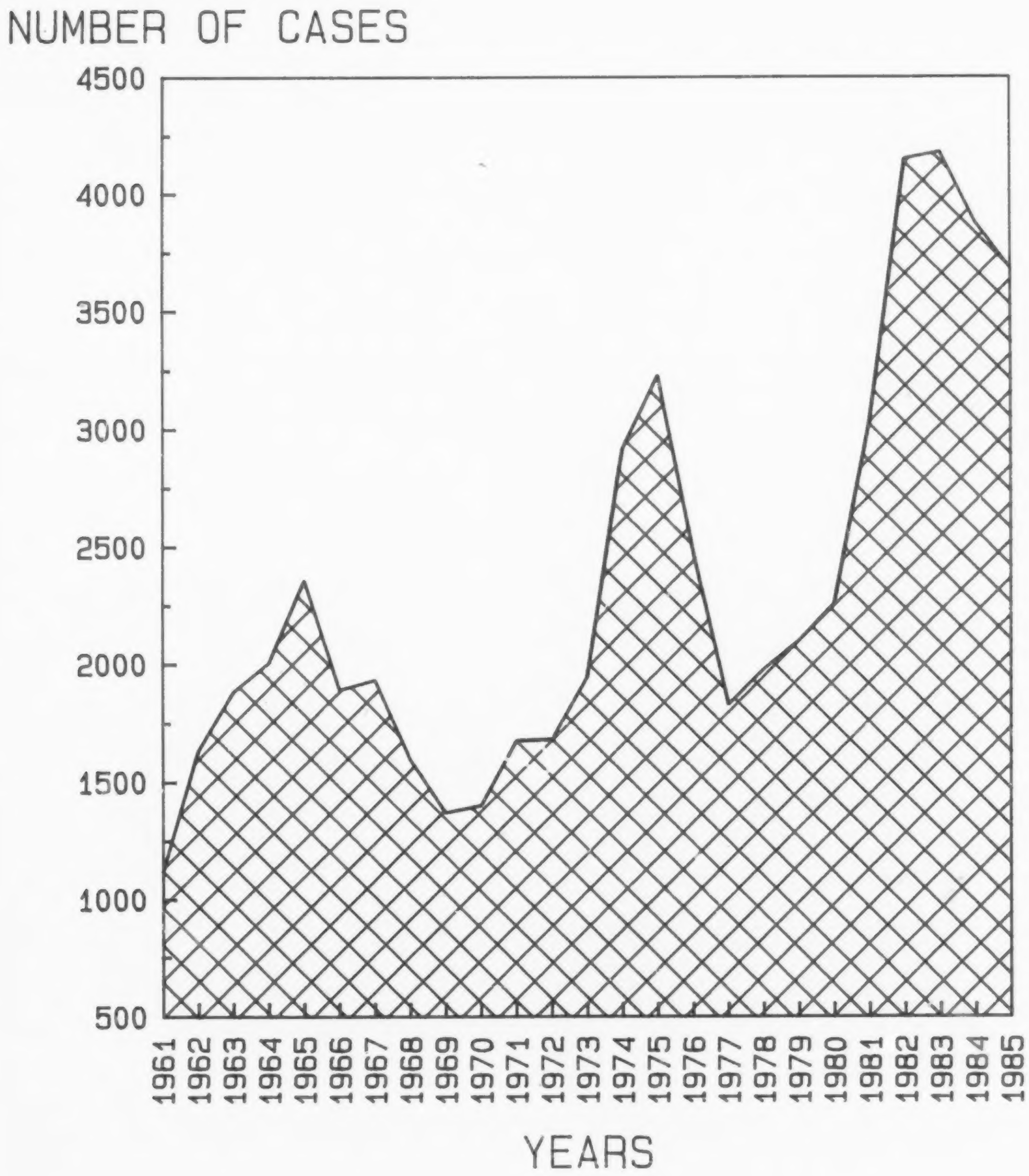
	1985	1984	%Change
District I			
Escambia	38	90	-57.8
Okaloosa	0	2	-100.0
Santa Rosa	0	3	-100.0
Walton	0	1	-100.0
District II			
Bay	8	14	-42.9
Calhoun	0	6	-100.0
Franklin	0	0	0.0
Gadsden	11	19	-42.1
Gulf	0	0	0.0
Holmes	0	0	0.0
Jackson	1	10	-90.0
Jefferson	0	2	-100.0
Leon	47	75	-37.3
Liberty	0	1	-100.0
Madison	1	2	-50.0
Taylor	2	9	-77.8
Wakulla	1	0	-75.0
Washington	1	0	*
District III			
Alachua	30	21	+42.9
Bradford	3	2	+50.0
Citrus	0	1	-100.0
Columbia	18	11	+63.6
Dixie	0	0	0.0
Gilchrist	0	0	0.0
Hamilton	6	2	+200.0
Hernando	3	1	+200.0
Lafayette	0	0	0.0
Lake	19	38	-50.0
Levy	1	1	0.0
Marion	16	17	-5.9
Putnam	30	5	+500.0
Sumter	0	3	-100.0
Suwannee	4	2	+100.0
Union	0	1	-100.0
District IV			
Baker	0	1	-100.0
Clay	3	4	-25.0
Duval	154	163	-5.5
Flagler	0	1	-100.0
Nassau	1	3	-66.7
St. Johns	11	7	+57.1
Volusia	60	24	+150.0
District V			
Pasco	8	21	-61.9
Pinellas	117	176	-33.5
District VI			
Hardee	3	11	-72.7
Highlands	16	30	-46.7
Hillsborough	248	373	-33.5
Manatee	29	44	-34.1
Polk	50	62	-19.4
District VII			
Brevard	82	66	+24.2
Orange	270	211	+28.0
Osceola	7	3	+133.3
Seminole	46	47	-2.1
District VIII			
Charlotte	2	9	-77.8
Collier	55	78	-29.5
DeSoto	5	9	-44.4
Glades	0	0	0.0
Hendry	4	5	-20.0
Lee	87	103	-15.5
Sarasota	21	101	-79.2
District IX			
Indian River	8	18	-55.6
Martin	7	15	-53.3
Okeechobee	9	5	+80.0
Palm Beach	290	209	+38.8
St. Lucie	73	45	+62.2
District X			
Broward	621	427	+45.4
District XI			
Dade	1129	1235	-8.6
Monroe	1	5	-80.0
Institutions	22	22	0.0
STATE TOTAL	3679	3876	-5.1

*Percent calculation cannot be made. No prior period morbidity was reported.

CONGENITAL SYPHILIS, REPORTED CASES
FLORIDA, 1961-1985



PRIMARY & SECONDARY SYPHILIS
REPORTED CASES FLORIDA, 1961-1985



GONORRHEA

Morbidity Trends

In 1985, there were 57,647 cases of gonorrhea reported in Florida, a 12.6% increase over 1984. This figure, however, still represents a 7,790 case or 11.9% decrease since 1980. Gonorrhea cases in Florida had remained above the 60,000 case level from 1977 through 1982. Cases reported between 1978 and 1985 have ranged from a high of 65,437 in 1980 to a low of 51,212 in 1984. The encouraging aspect about reported gonorrhea from 1977 to 1984 was that the rates per 100,000 population had steadily declined. This, of course, was due to vigorous growth in the non sexually active population. The average annual population has increased approximately 253,750 per year for the past five years. Despite this eight year trend the gonorrhea case rate per 100,000 for 1985 rose to 506.7, an increase of 35.2 over the 1984 case rate (471.5). A screening program to detect asymptomatic females has also had an impact on the gonorrhea case rate trend.

While gonorrhea cases for 1985 rose only slightly, penicillinase-producing Neisseria gonorrhoeae (PPNG) has steadily increased over the past five years from 15 cases in 1980 to 1,593 cases in 1984 and 4,165 cases in 1985. Despite vigorous efforts to control its incidence, 1985 cases towered 161.5% over 1984. The top three counties with PPNG infection are Dade (2,455 cases), Palm Beach (358 cases), and Broward (274 cases). Together these counties represent 74.1% of the PPNG in Florida. Statewide, reported PPNG represents 7.2% of the total gonorrhea reported.

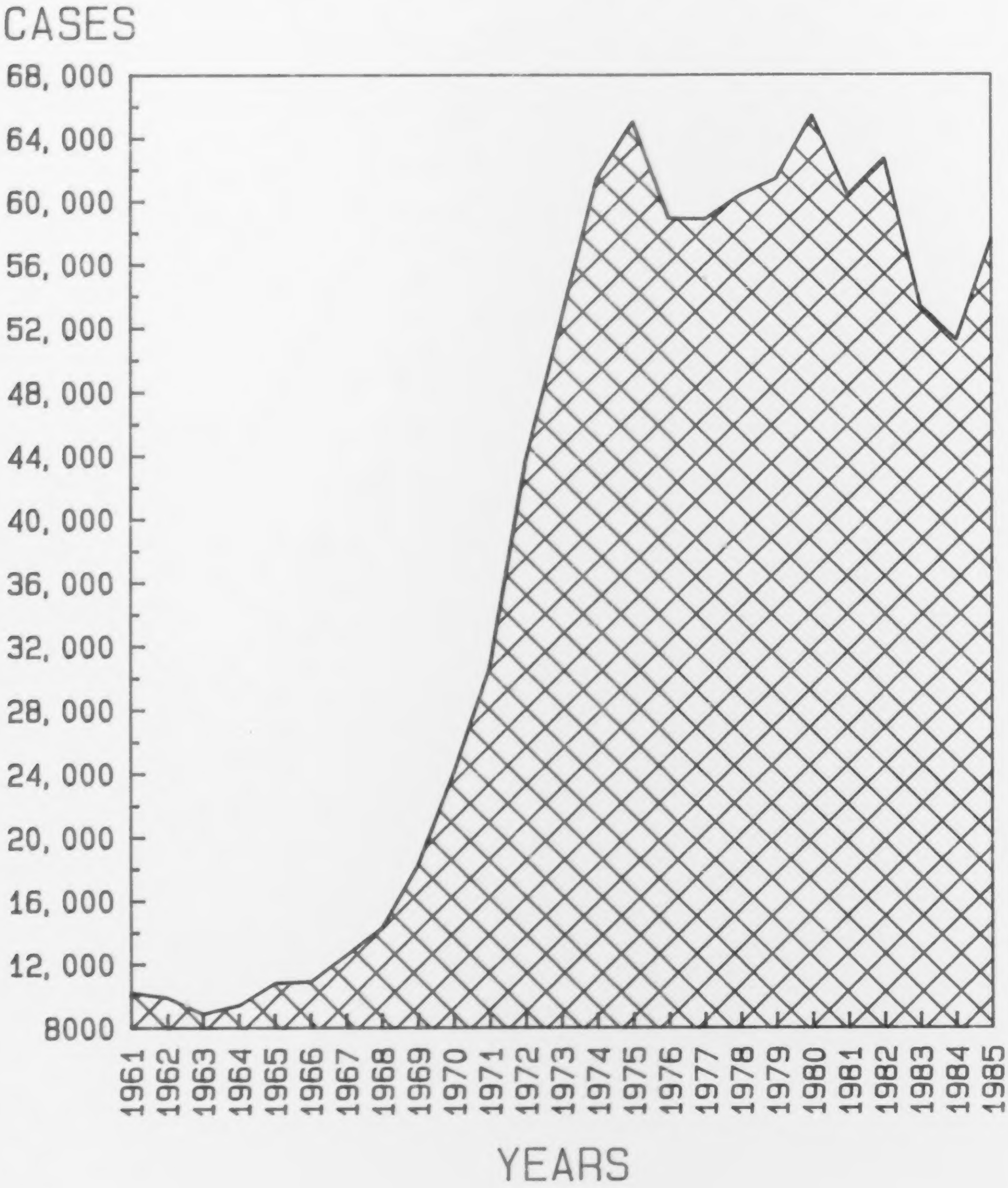
In 1985, 22,478 women were reported with gonorrhea in Florida, and 10.3% were found to have gonococcal pelvic inflammatory disease (GPID). Specifically, there were 2,324 cases reported in 1985. This represents a 5.8% increase over 2,196 cases reported in 1984. Priorities continue to be maintained in detecting young females diagnosed with GPID and identifying sex contacts for referral, examination, and treatment.

During 1985, 35,169 men (61.0% of total cases) were reported with gonorrhea in Florida. The typical infected male is between 20 and 29 years of age (57.5%), black (70.6%), heterosexual, and resides in the intercity neighborhoods, where morbidity is highest.

GONORRHEA - Reported Cases By County, Florida, 1985 vs. 1984

	1985	1984	%Change
District I			
Escambia	2353	2191	+7.4
Okaloosa	256	312	-17.9
Santa Rosa	61	60	+1.7
Walton	32	30	-6.7
District II			
Bay	467	742	-37.1
Calhoun	9	8	+12.5
Franklin	20	9	+122.2
Gadsden	452	313	+44.4
Gulf	14	18	-22.2
Holmes	7	9	-22.2
Jackson	90	68	+32.4
Jefferson	58	36	+61.1
Leon	1968	1809	+8.8
Liberty	7	5	+40.0
Madison	62	44	+40.9
Taylor	83	48	+72.9
Wakulla	28	14	+100.0
Washington	51	37	+37.8
District III			
Alachua	1301	1022	+27.3
Bradford	67	59	+13.6
Citrus	74	55	+34.5
Columbia	270	232	+16.4
Dixie	33	45	-26.7
Gilchrist	4	8	-50.0
Hamilton	86	85	+1.2
Hernando	164	180	-8.9
Lafayette	7	16	-56.3
Lake	403	421	-4.3
Levy	45	35	+28.6
Marion	799	490	+63.1
Putnam	221	137	+61.3
Sumter	202	123	+64.2
Suwannee	64	76	-15.8
Union	19	69	-72.5
District IV			
Baker	45	23	+95.7
Clay	205	170	+20.6
Duval	6676	5587	+19.5
Flagler	53	35	+51.4
Nassau	116	53	+118.9
St. Johns	253	224	+12.9
Volusia	1022	1100	-7.1
District V			
Pasco	256	272	-5.9
Pinellas	3604	3545	+1.7
District VI			
Hardee	95	108	-12.0
Highlands	148	184	-19.6
Hillsborough	4585	4173	+9.9
Manatee	1451	1391	+4.3
Polk	1494	1394	+7.2
District VII			
Brevard	947	855	+10.8
Orange	4611	3457	+33.4
Osceola	192	225	-14.7
Seminole	623	595	+4.7
District VIII			
Charlotte	51	40	+27.5
Collier	508	535	-5.0
DeSoto	89	241	-63.1
Glades	12	33	-63.6
Hendry	67	46	+45.7
Lee	1354	1145	+18.3
Sarasota	877	783	+12.0
District IX			
Indian River	688	493	+39.6
Martin	138	120	+15.0
Okeechobee	72	73	-1.4
Palm Beach	3312	2888	+14.7
St. Lucie	885	610	+45.1
District X			
Broward	4804	4678	+2.7
District XI			
Dade	8135	7143	+13.9
Monroe	394	185	+113.0
Institutions	108	2	+5300.0
STATE TOTAL	57647	51212	+12.6

GONORRHEA-CASES REPORTED
FLORIDA, 1961-1985



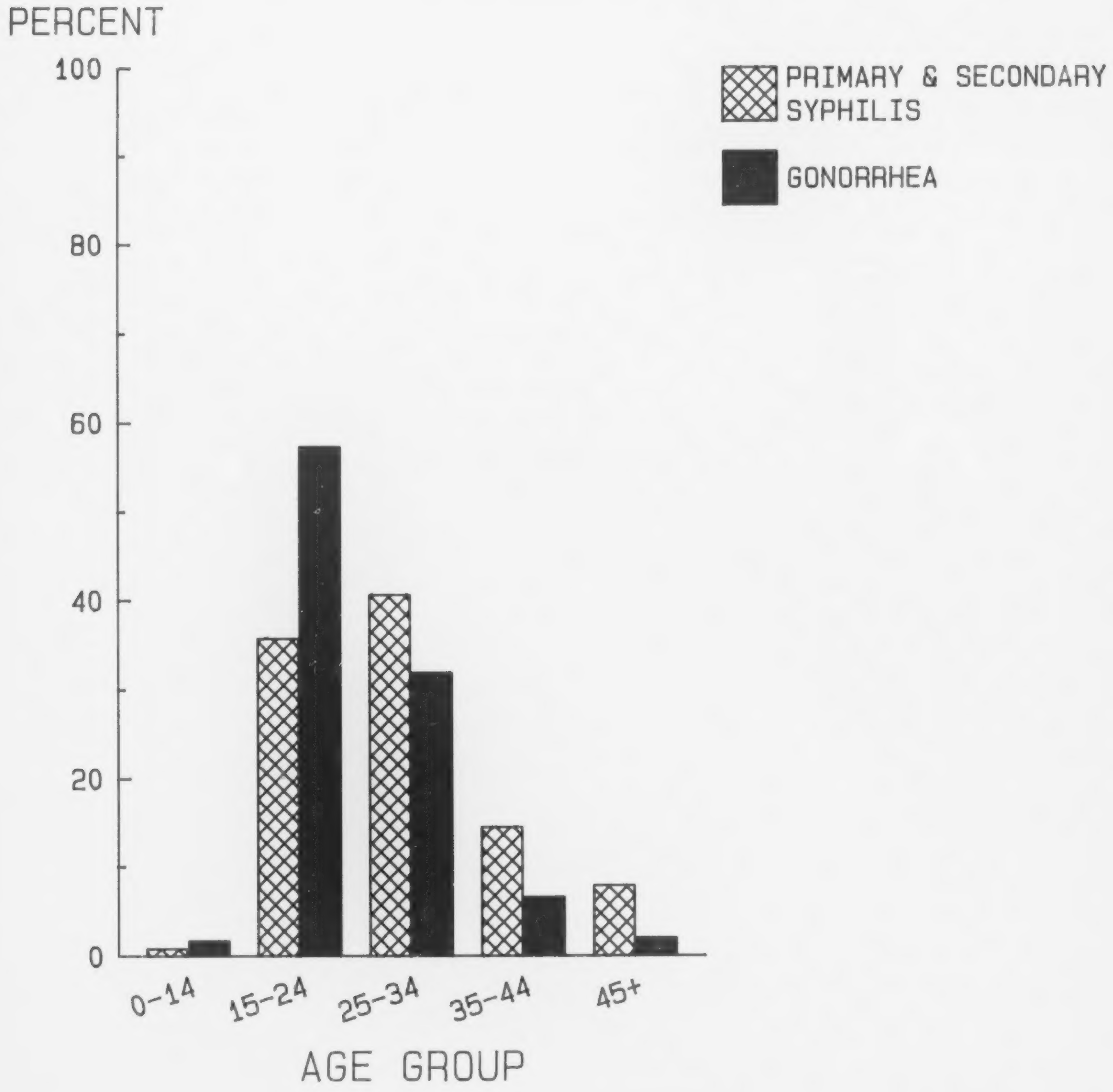
REPORTED SYPHILIS AND GONORRHEA CASES AND RATES
PER 100,000 POPULATION, FLORIDA, 1957 - 1985

Year	Population	Total Syphilis		Primary & Secondary		Early Latent		Late & Late Latent		Congenital		Gonorrhea	
		Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
1985	11,377,318	7,969	70.0	3,679	32.3	2,504	22.0	1,755	15.4	31	0.27	57,647	506.7
1984	11,015,061	8,314	75.5	3,876	35.2	2,812	25.5	1,596	14.5	30	0.27	51,212	465.0
1983	10,645,793	8,404	79.0	4,179	39.3	2,501	23.5	1,699	16.0	25	0.24	53,370	501.7
1982	10,555,498	7,936	75.2	4,149	39.3	1,884	17.9	1,895	18.0	8	0.08	62,702	595.7
1981	10,108,564	5,971	59.1	3,036	30.0	1,376	13.6	1,552	15.4	7	0.07	60,354	597.0
1980	9,813,706	4,384	44.7	2,257	23.0	1,066	10.9	1,058	10.8	3	0.03	65,437	666.8
1979	9,294,250	4,567	49.1	2,099	22.6	1,297	14.0	1,164	12.5	7	0.08	61,427	660.9
1978	8,966,395	4,648	51.8	1,978	22.1	1,350	15.1	1,315	14.7	5	0.06	60,382	673.4
1977	8,717,334	4,543	52.1	1,828	21.0	1,957	22.4	750	8.6	8	0.1	58,843	675.0
1976	8,551,814	5,528	64.6	2,481	29.0	2,154	25.2	874	10.2	19	0.2	58,921	689.0
1975	8,485,230	6,328	74.6	3,228	38.0	1,981	23.3	1,101	13.0	18	0.2	65,031	766.4
1974	8,248,851	5,518	66.9	2,915	35.3	1,624	19.7	966	11.7	13	0.2	61,507	745.6
1973	7,845,100	4,339	55.3	1,946	24.8	1,227	15.6	1,156	14.7	10	0.1	52,582	670.3
1972	7,441,500	3,692	49.6	1,680	22.6	1,189	16.0	807	10.8	16	0.2	43,688	587.1
1971	7,024,600	3,651	52.0	1,675	23.8	1,156	16.5	781	11.1	39	0.6	30,659	436.5
1970	6,841,500	2,983	43.6	1,398	20.4	990	14.5	567	8.3	28	0.4	24,089	352.1
1969	6,651,400	3,147	47.3	1,368	20.6	868	13.0	889	13.4	22	0.3	18,257	274.5
1968	6,468,700	3,615	55.9	1,595	24.7	898	13.9	1,058	16.3	64	1.0	14,331	221.5
1967	6,287,000	4,378	69.6	1,933	30.7	861	13.7	1,456	23.2	128	2.0	12,563	199.8
1966	6,105,900	5,699	93.3	1,890	30.9	972	15.9	2,692	44.1	145	2.4	10,884	178.3
1965	5,924,700	6,132	103.5	2,356	39.8	1,037	17.5	2,527	42.6	212	3.6	10,803	182.3
1964	5,743,000	5,908	102.9	2,005	34.9	1,011	17.6	2,667	46.6	215	3.8	9,402	163.7
1963	5,560,100	6,945	124.9	1,883	33.8	999	18.0	3,742	67.3	321	5.8	8,867	159.5
1962	5,375,600	6,004	111.7	1,632	30.4	1,505	28.0	2,676	49.8	191	3.5	9,902	165.6
1961	5,188,900	5,324	102.6	1,118	21.6	1,561	30.0	2,493	48.0	152	2.9	10,215	196.9
1960	4,999,000	4,115	82.3	639	12.8	1,047	20.9	2,254	45.1	175	3.5	11,122	222.5
1959	4,790,000	4,332	90.4	344	7.2	916	19.1	2,875	60.0	197	4.1	11,172	233.2
1958	4,571,000	3,186	69.7	201	4.4	741	16.2	2,056	45.0	188	4.1	10,329	240.5
1957	4,245,000	5,514	129.9	213	5.0	1,068	25.2	3,971	93.5	262	6.2	9,725	229.1

* Beginning in 1978 the early latent syphilis category is limited to latent infections under 1 year's duration. The infections over 1 year's duration are now classified as late and late latent.

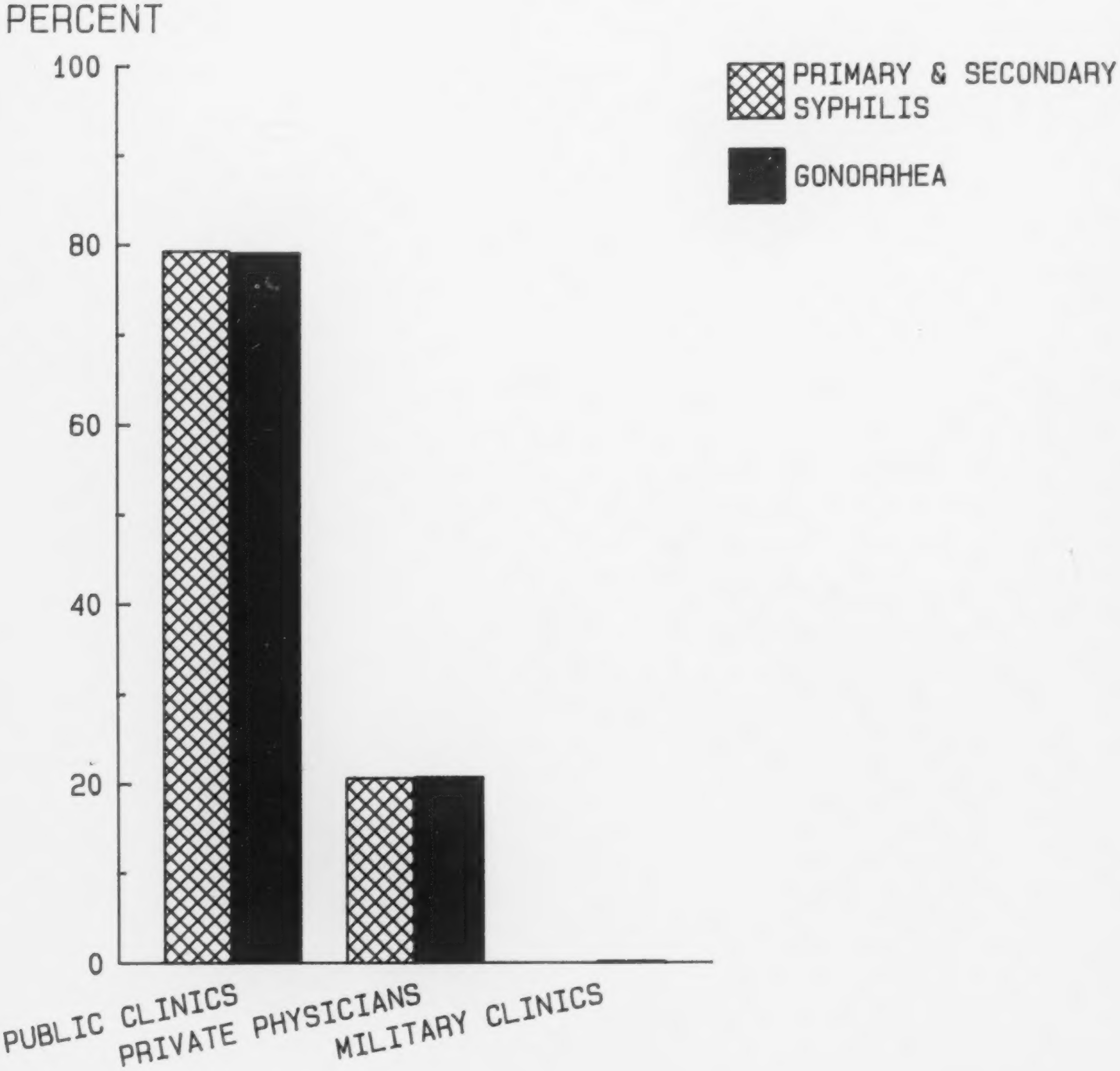
GONORRHEA & INFECTIOUS SYPHILIS CASES REPORTED BY AGE GROUP

FLORIDA, 1985



GONORRHEA & INFECTIOUS SYPHILIS CASES REPORTED BY SOURCE

FLORIDA, 1985



SECTION 7:

Summary of Tuberculosis

Prepared by Tuberculosis Control Program
Marianne B. McEuen, M.D., Acting Director

TUBERCULOSIS

Trends

In 1985, Florida ranked highest among the 50 states with a tuberculosis case rate of 12.5 per 100,000. Florida's rank among the states was 13th in 1984. There were 1,425 cases of tuberculosis reported in Florida in 1985, representing a 6.0% increase over the 1335 cases in 1984. This represents a 2.0% increase in the rate per 100,000 population (Table 1). The 1985 increase is the first significant increase in tuberculosis morbidity in Florida during the past ten years.

Race, Sex, and Age

The race and sex distribution remains essentially unchanged for 1985. The highest number of reported cases occurred among non-white males, age 25-44 (Table 2). Non-white females in that same age group accounted for more than twice the number of cases reported among white females. The incidence rate in the non-white population was 44.8 while the white population rate was 7.0 (Table 3). Overall, males accounted for 72.0% of the new cases while females accounted for 28.0%. Persons 25-64 years of age accounted for 67.3% of the reported cases. Persons less than 25 years of age represented only 9.7% of the reported cases (Figure 1).

Case rates vary widely according to age, race and sex. The rate of 177.0 for non-white males age 45-64 is highest and contrasts to the rate of 2.4 for white females of the same age group. Overall the case rate is highest between age 25 and 64 years old. At any age, the rate for non-white males is highest, non-white females next highest, followed in order by white males and white females (Table 3).

Bacteriologic Confirmation

Bacteriologic results were available at the time of reporting for 1,384 (97.1%) of the 1,425 cases reported in 1985. 1,308 cases (91.8%) were reported with positive culture and 76 (5.3%) were negative. Bacteriologic results were not available for 41 cases (2.9%) (Figure 3).

Site of Disease

Pulmonary tuberculosis was reported for 1,246 (87.4%) of the cases during 1985. Extra-pulmonary tuberculosis accounted for 179 (12.6%) of the total cases reported (Table 4).

Geographic Distribution

Tuberculosis data for Florida, by HRS District and County, is presented in Table 5 and Figure 5. District XI reported the highest case rate (21.5) among the eleven districts. District I reported the lowest case rate (7.1) for 1985. Only eight of Florida's 67 counties did not report any cases. As in 1984, (67.9%) of new cases were reported from eight large metropolitan areas (Dade, Hillsborough, Broward, Palm Beach, Duval, Polk, Orange and Pinellas). These eight counties reported 968 of the 1425 cases reported during the year. However, of these eight counties, only Dade and Hillsborough were among the 10 Florida counties having the highest case rate per 100,000 population. Twenty one counties had case rates above the state average of 12.5. Forty six counties recorded rates of less than 12.5 (Table 5).

Tuberculosis Associated with AIDS

In November 1985, anticipating that the diagnosis of AIDS would affect treatment and monitoring of tuberculosis cases, the Community Tuberculosis Control Services initiated a comparison of the tuberculosis and AIDS registries. The following two comparisons were made:

1). Comparison Of AIDS Cases With And Without Tuberculosis

Of the 1,457 cumulative cases of AIDS reported in Florida through 1985, 1,094 cases were studied for possible tuberculosis associated with AIDS. Of these 1,094 cases, 109 (10.0%) also had a diagnosis of tuberculosis (Figure 6). Of the 109 AIDS cases with tuberculosis, 65 (59.6%) had onset of AIDS illness in Dade County, and 26 (23.9%) in Palm Beach County. The number of AIDS cases with tuberculosis (by year of AIDS diagnosis) increased from 1 in 1980 to 55 in 1984; the lower number of 26 cases reported in 1985 is probably due to delayed reporting and the interval between the tuberculosis case report and AIDS diagnosis. The interval between the report of tuberculosis and the diagnosis of AIDS ranged from 7 years before, to 15 months after. The diagnosis of tuberculosis occurred at a median of 3 months before the diagnosis of AIDS. In 62 patients (56.9%), tuberculosis was reported more than 1 month before AIDS diagnosis; in 30 patients (27.5%), within 1 month of AIDS diagnosis; and in 17 patients (15.6%), more than 1 month after AIDS diagnosis.

Compared to AIDS patients without tubeculosis (AIDS/non-TB), AIDS patients with tuberculosis (AIDS/TB) were similar in age, sex, and vital status (alive vs. dead). However, they differed in race/ethnicity, country of origin, risk factors for AIDS, and diseases associated with AIDS. AIDS/TB patients were more frequently black (80.7%) than were AIDS/non-TB patients (36.9%); were more frequently foreign born (59.6% vs. 25.2%); were less frequently homosexual or bisexual men (21.1% vs. 61.8%); were less likely to have pneumocystis carinii pneumonia (46.8% vs. 69.3%) or Kaposi's sarcoma (6.4% vs. 21.4%); and were more likely to have other opportunistic infections/diseases (52.3% vs. 25.7%).

2). Comparison Of Tuberculosis Cases With And Without AIDS

Figure 7 shows the 109 AIDS/TB cases by year of tuberculosis report. The number of such cases increased over time from 1 to 2 cases in 1978-1980 to 33 cases in 1984; the lower number of 23 cases reported in 1985 is probably due to delayed reporting and the interval between the tuberculosis case report and AIDS diagnosis. Compared to tuberculosis patients without AIDS (TB/non-AIDS), patients with tuberculosis and AIDS (AIDS/TB) were younger (median 30 vs. 49 years) and more often black (79.0% vs. 50.5%), male (82.9% vs. 70.8%), and foreign born (60.0% vs. 21.4%) and more likely to have extra-pulmonary tuberculosis (38.1% vs. 11.3%), particulary lymphatic and miliary forms; pleural tuberculosis was strikingly absent. Extra-pulmonary forms were more often culture confirmed among AIDS/TB patients than among TB/non-AIDS patients (95.0% vs. 75.3%)

The number of AIDS patients with tuberculosis in Florida increased from 1980 to 1984 (Figures 6 & 7). The lower number of such cases reported for 1985 reflects expected reporting delays as well as the characteristic lag period between the diagnosis of tuberculosis and the diagnosis of AIDS.

The fact that 7.5% of AIDS patients in Florida have had tuberculosis suggests that the immunosuppression caused by human T-Lymphotrophic virus type III/Lymphodenopathy-associated virus (HTLV-III/LAV) infection results in the progression of tuberculosis from latent infection to disease.

TABLE 1

TUBERCULOSIS - Reported Cases and Rates per 100,000 Population, United States and Florida, 1975-1985

YEAR	United States				Florida			
	Number	Rate	Percent Change		Number	Rate	Percent Change	
			Number	Rate			Number	Rate
1975	33,989	15.9	----	----	1,758	21.0	----	----
1976	32,105	15.0	-5.5	-5.7	1,630	19.4	-7.3	-7.6
1977	30,145	13.9	-6.1	-7.3	1,674	19.8	+2.6	+2.0
1978	28,521	13.1	-5.4	-5.8	1,724	20.1	+2.9	+1.5
1979	27,669	12.6	-3.0	-3.0	1,628	18.4	-5.6	-8.5
1980	27,749	12.3	+0.3	-2.4	1,647	16.9	+1.2	-8.2
1981	27,373	11.9	-1.4	-3.3	1,553	15.3	-5.7	-9.5
1982	25,728	11.1	-6.1	-6.7	1,467	13.9	-5.5	-9.2
1983	23,846	10.2	-6.6	-8.1	1,457	13.9	-0.7	-0.9
1984	22,255	9.4	-9.0	-7.8	1,335	12.2	-8.4	-1.0
1985	22,201	9.3	-0.2	-1.1	1,425	12.5	+6.7	+2.5

FIGURE 1

TUBERCULOSIS - REPORTED CASES BY AGE, RACE AND SEX, FLORIDA, 1985

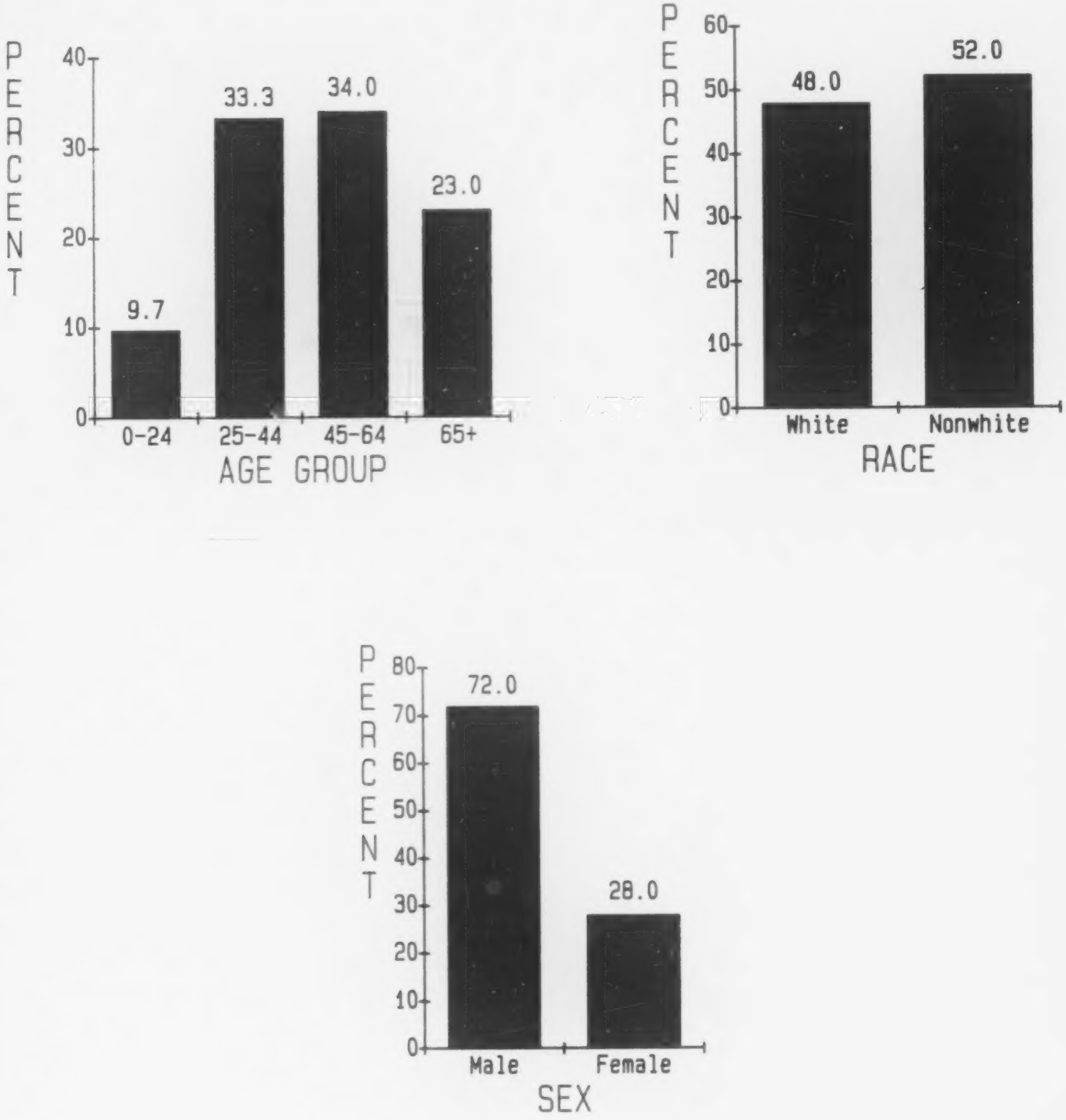


TABLE 2

TUBERCULOSIS - Reported Cases By Age, Race and Sex, Florida, 1985

AGE	TOTAL	WHITE			NON-WHITE		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
All Ages	1,425	686	503	183	739	523	216
0-4	28	8	6	2	20	16	4
5-14	15	4	4	0	11	6	5
15-24	95	35	16	19	60	35	25
25-44	475	179	138	41	296	205	91
45-64	485	237	187	50	248	190	58
65+	327	223	152	71	104	71	33

FIGURE 2

TUBERCULOSIS - Reported Case Rates By Age Groups, Florida, 1985

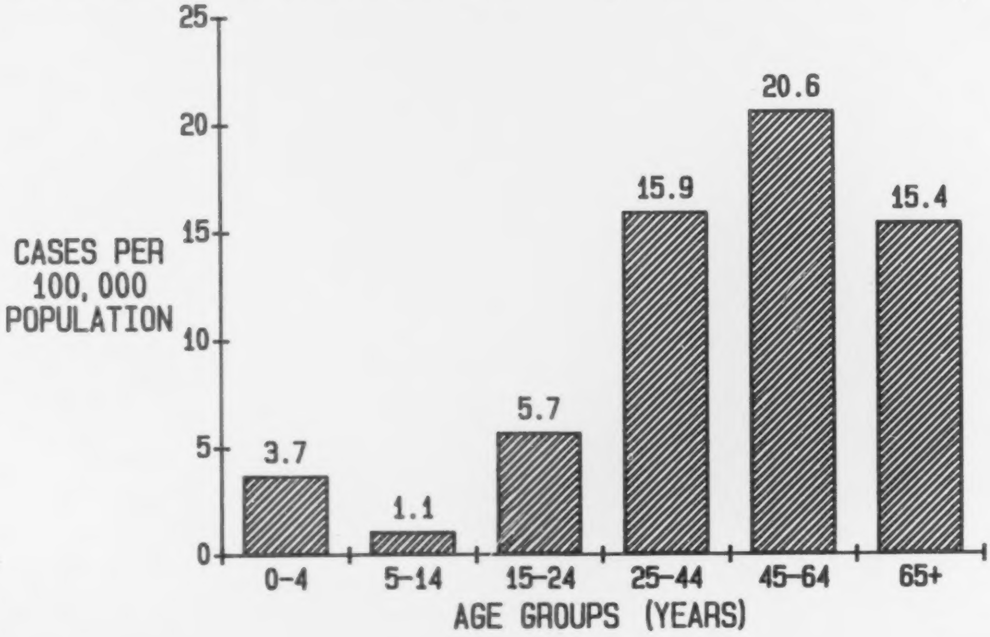


TABLE 3

TUBERCULOSIS - Reported Case Rates Per 100,000 Population By Age, Race and Sex, Florida, 1985

AGE	TOTAL	WHITE			NON-WHITE		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
0-4	3.7	0.7	0.5	1.4	11.0	17.2	4.5
5-14	1.1	0.4	0.7	0.0	3.6	3.9	3.4
15-24	5.7	2.6	2.3	2.9	18.9	22.4	15.5
25-44	15.9	6.8	10.4	3.1	61.7	92.0	35.5
45-64	20.6	11.2	19.0	2.4	103.8	177.0	44.0
65+	15.4	11.2	17.7	6.3	80.3	134.5	43.0
All Ages	12.5	7.0	10.7	3.6	44.8	66.7	24.9

FIGURE 3

TUBERCULOSIS - Reported Cases By Bacteriological Status At Time Of Report, Florida, 1985

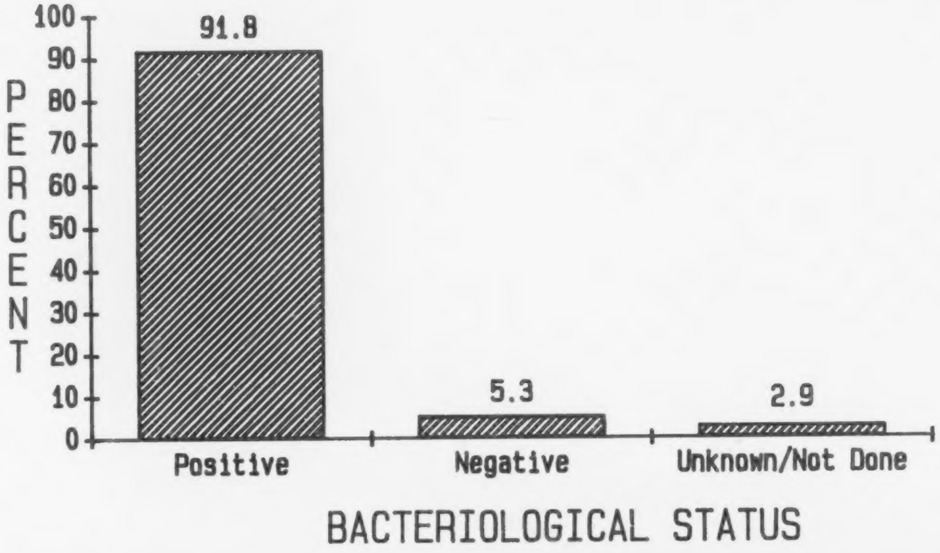


TABLE 4

TUBERCULOSIS - Reported Cases and Percent by Site of Disease, Florida, 1985

Disease Site	Reported Cases	
	Number	Percent
Pulmonary	1,246	87.4
Extra-Pulmonary		
Pleural	40	
Lymphatic	40	
Bone and/or Joint	24	
Genitourinary	19	
Miliary	21	
Meningeal	13	
Peritoneal	4	
Other	18	
Total Extra-Pulmonary	179	12.6
Total All Cases	1,425	100.0

FIGURE 4
NUMBER OF REPORTED PULMONARY AND EXTRA-PULMONARY TUBERCULOSIS CASES, FLORIDA, 1977-1985

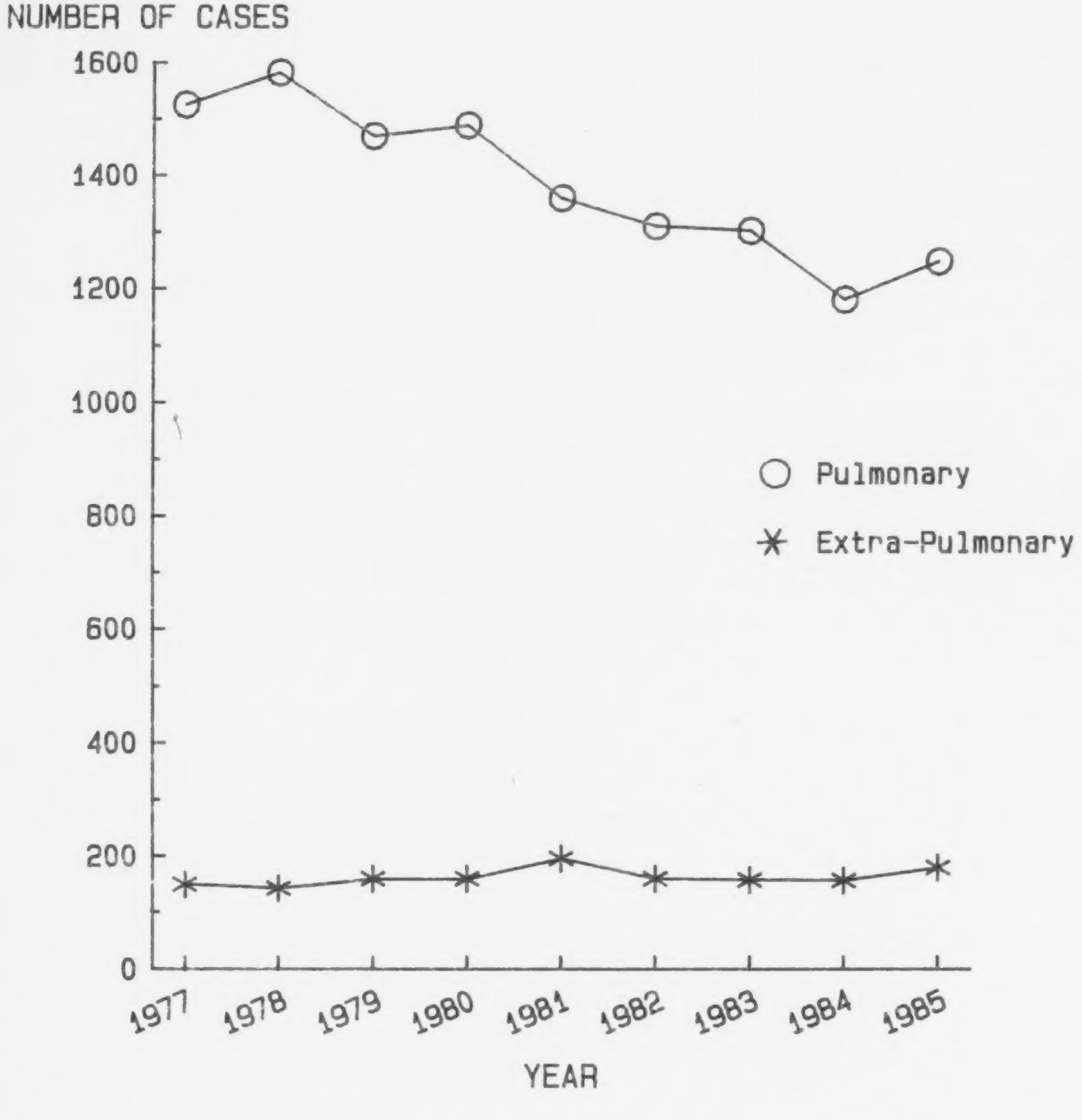


TABLE 5

*TUBERCULOSIS - Reported Cases and Rates Per 100,000 Population, By Rank, By County, Florida, 1985

County	Number of Cases	Rate Per 100,000 Population	Rank
District I			
Escambia	26	9.8	28
Okaloosa	7	5.2	44
Santa Rosa	1	1.6	49
Walton	1	4.0	46
District II			
Bay	18	15.2	16
Calhoun	0	0.0	51
Franklin	1	11.8	23
Gadsden	6	13.4	20
Gulf	1	8.9	31
Holmes	1	6.4	39
Jackson	3	7.5	35
Jefferson	1	8.6	32
Leon	24	14.2	17
Liberty	0	0.0	51
Madison	1	6.4	40
Taylor	1	5.6	43
Wakulla	0	0.0	51
Washington	0	0.0	51
District III			
Alachua	11	6.3	41
Bradford	2	8.3	33
Citrus	8	10.9	25
Columbia	1	2.5	48
Dixie	0	0.0	51
Gilchrist	0	0.0	51
Hamilton	0	0.0	51
Hernando	1	1.5	50
Lafayette	1	22.4	7
Lake	15	12.0	22
Levy	0	0.0	51
Marion	13	8.2	34
Putnam	10	17.6	9
Sumter	2	7.3	36
Suwannee	6	23.2	6
Union	1	9.4	30
District IV			
Baker	2	11.3	24
Clay	3	3.6	47
Duval	73	11.8	23
Flagler	1	6.2	42
Nassau	1	2.5	48
St. Johns	9	13.1	21
Volusia	23	7.5	35
District V			
Pasco	25	10.5	26
Pinellas	54	6.7	37
District VI			
Hardee	5	23.5	5
Highlands	10	16.9	11
Hillsborough	128	17.1	10
Manatee	27	15.7	15
Polk	61	16.6	12
District VII			
Brevard	23	6.7	37
Orange	60	10.9	25
Osceola	4	5.2	44
Seminole	10	4.4	45
District VIII			
Charlotte	5	6.3	41
Collier	28	23.8	4
DeSoto	3	13.7	18
Glades	2	29.4	1
Hendry	6	26.4	3
Lee	26	9.7	29
Sarasota	16	6.6	38
District IX			
Indian River	13	16.4	13
Martin	8	9.7	29
Okeechobee	4	15.9	14
Palm Beach	98	13.6	19
St. Lucie	33	27.5	2
District X			
Broward	106	9.4	30
District XI			
Dade	388	21.7	8
Monroe	7	9.9	27
STATE TOTAL	1425	12.5	--

FIGURE 5

TUBERCULOSIS - Reported Cases and Case Rates Per 100,000 Population, By HRS Districts, Florida, 1985

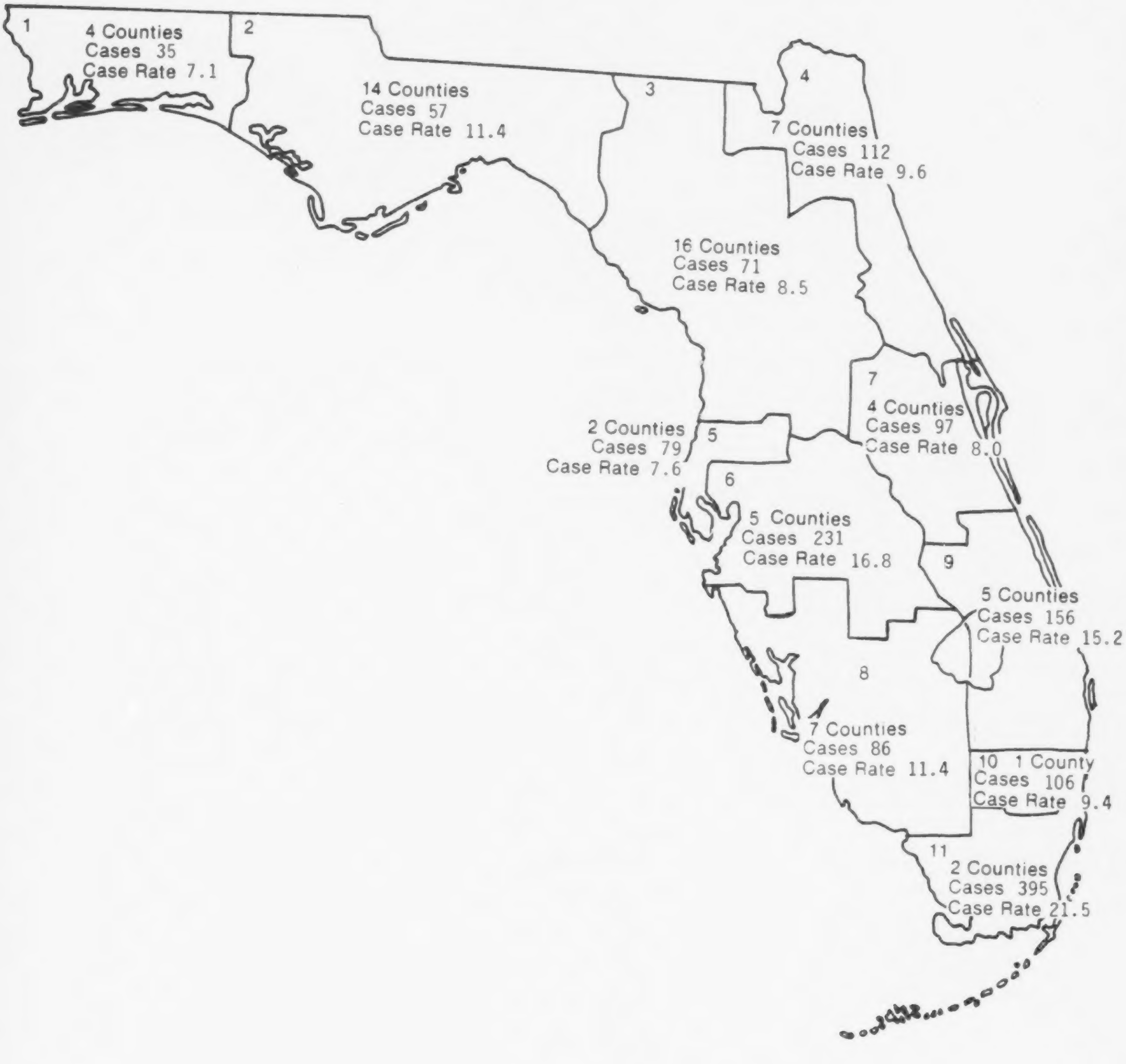

1
4 Counties
Cases 35
Case Rate 7.1
2
14 Counties
Cases 57
Case Rate 11.4
3
16 Counties
Cases 71
Case Rate 8.5
4
7 Counties
Cases 112
Case Rate 9.6
5
2 Counties
Cases 79
Case Rate 7.6
6
5 Counties
Cases 231
Case Rate 16.8
7
4 Counties
Cases 97
Case Rate 8.0
8
7 Counties
Cases 86
Case Rate 11.4
9
5 Counties
Cases 156
Case Rate 15.2
10
1 County
Cases 106
Case Rate 9.4
11
2 Counties
Cases 395
Case Rate 21.5

FIGURE 6 - REPORTED AIDS CASES WHO HAVE ALSO HAD TUBERCULOSIS, BY YEAR OF AIDS DIAGNOSIS, FLORIDA, 1978 - 1985 (N=109)

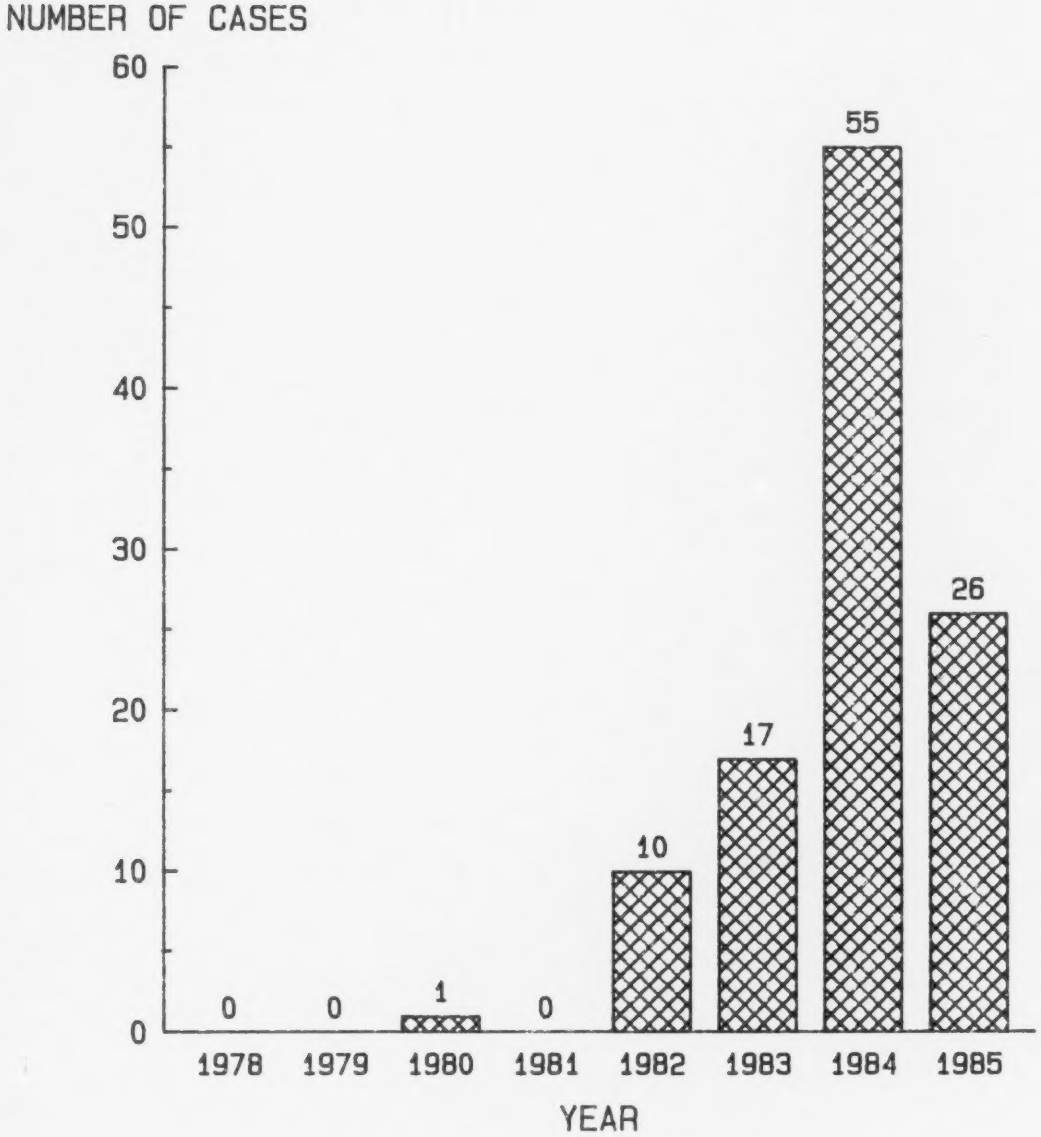
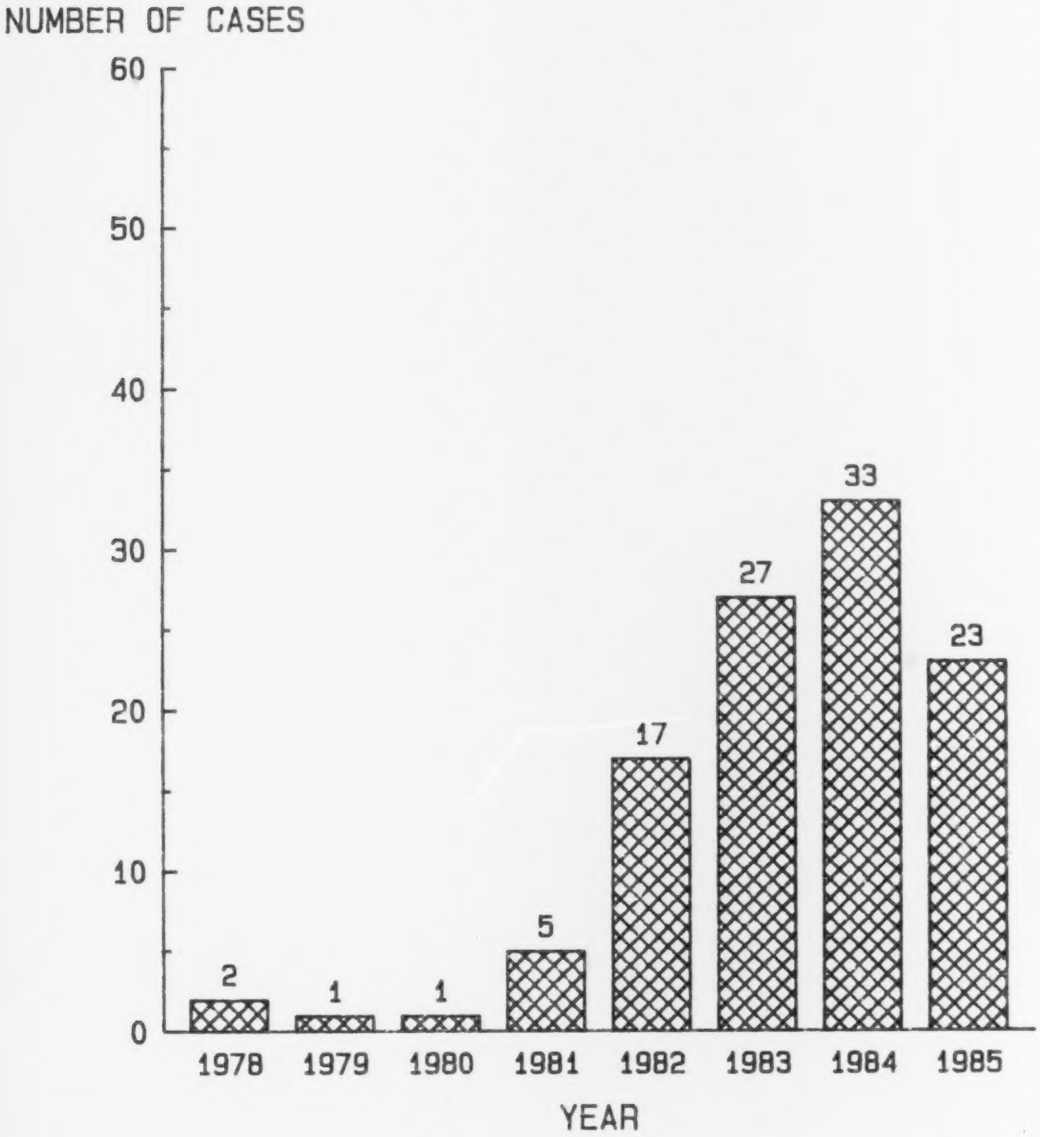


FIGURE 7 - REPORTED AIDS CASES WHO HAVE ALSO HAD TUBERCULOSIS, BY YEAR OF TUBERCULOSIS REPORT FLORIDA, 1978 - 1985 (N=109)



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